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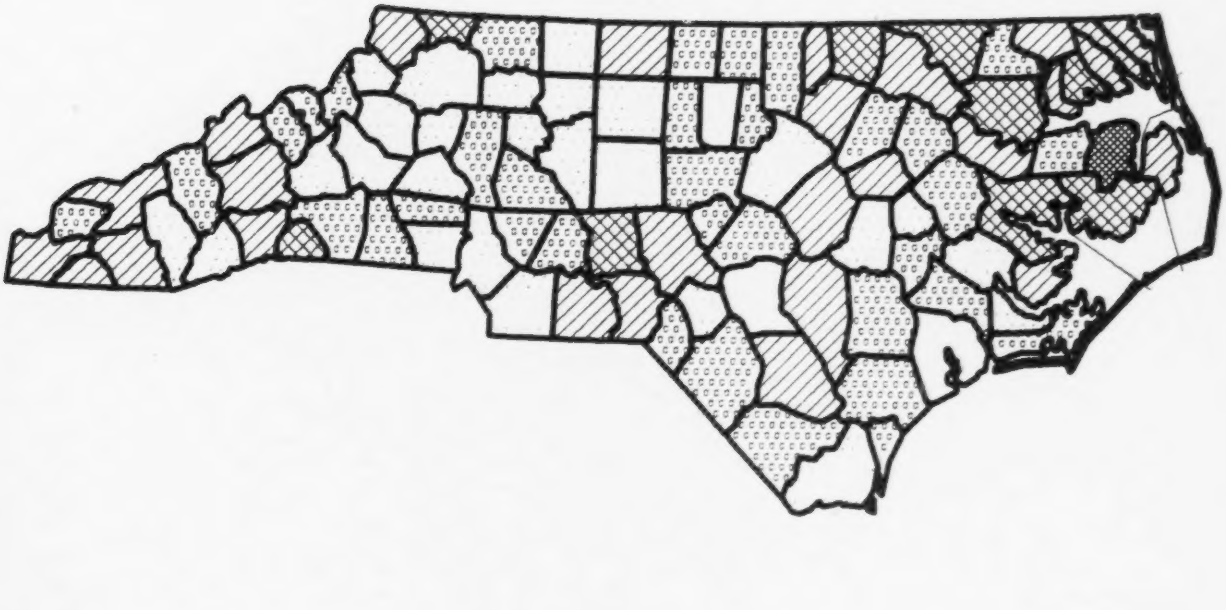
Leading Causes of Mortality



north carolina
vital statistics
1978 volume 2

LEADING CAUSES OF MORTALITY

NORTH CAROLINA VITAL STATISTICS
1978 VOLUME 2

NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
ADMINISTRATIVE SERVICES SECTION
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October 1979

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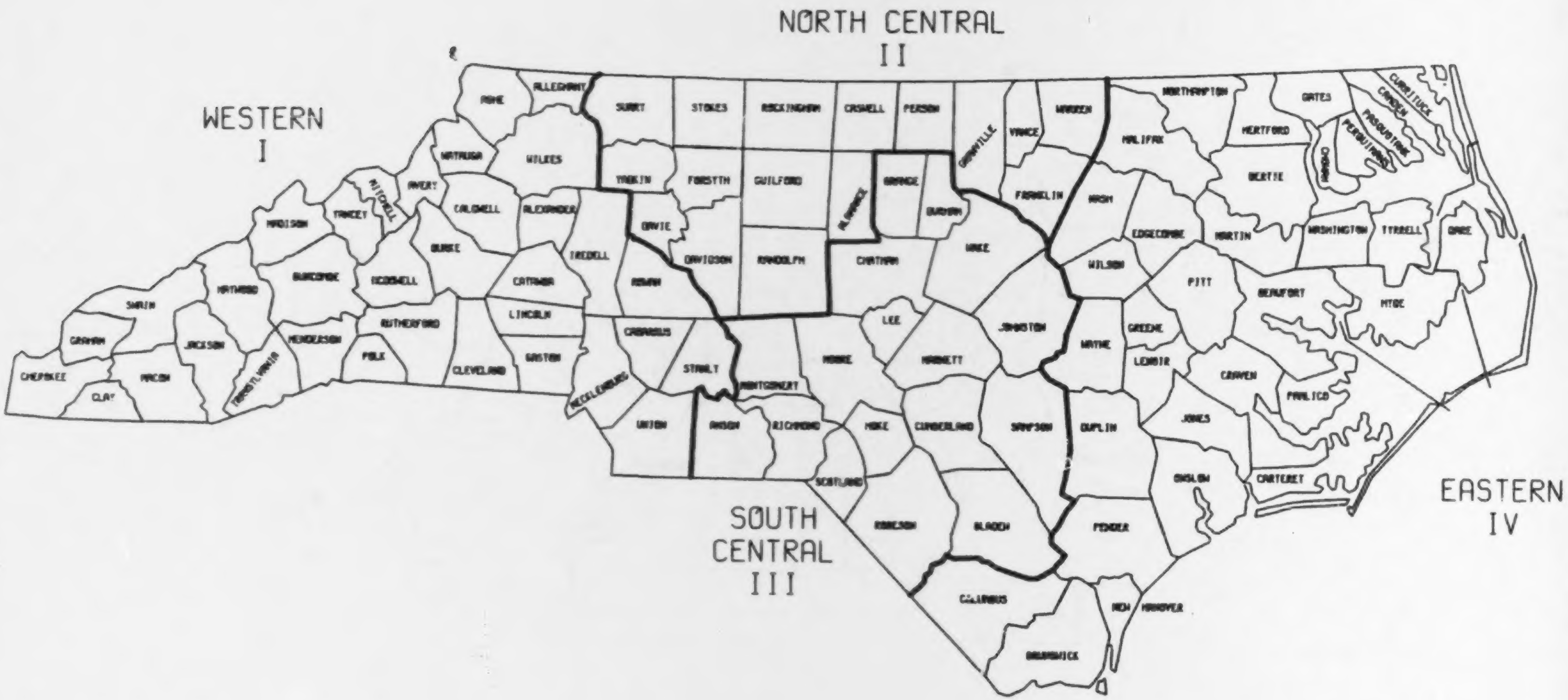
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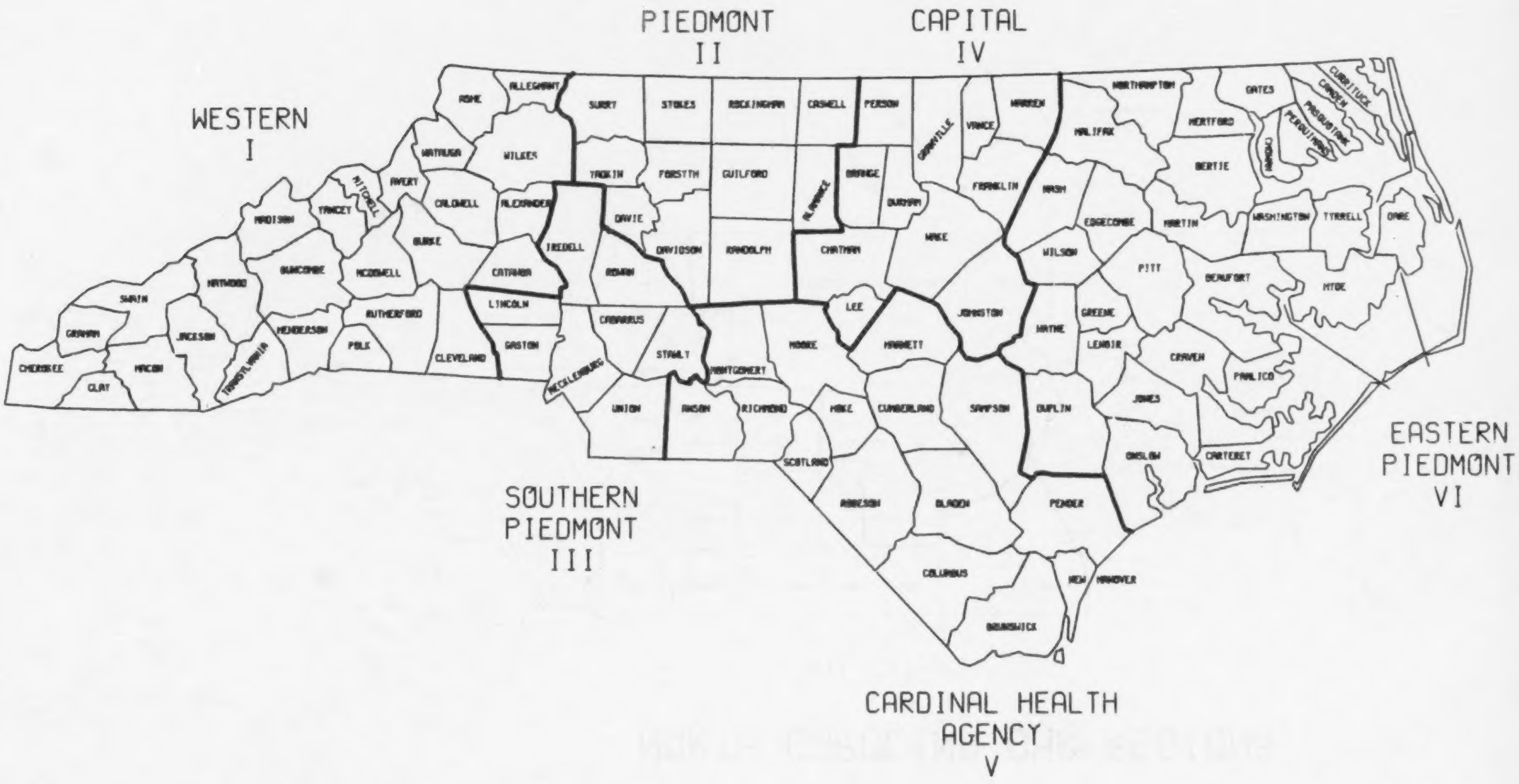
NORTH CAROLINA HEALTH SERVICE AREAS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PREFACE

Triennially, the Public Health Statistics Branch produces a major publication describing North Carolina's mortality experience for a five-year period. Those volumes include mapped, tabular and trend data as well as narrated analyses for leading causes of death in the state's 100 counties. In the interim, supportive reports of the mapped and tabular data are published annually.

The present volume is a supportive report which may be used in conjunction with the 1972-76 publication for purposes of current health planning and analysis. The Public Health Statistics Branch will also continue to publish the report Detailed Mortality Statistics which provides annual counts of deaths classified according to underlying causes of death and the age, race and sex of decedents.

The tables of this report provide selected mortality statistics for counties, Department of Human Resources Regions, Health Service Areas, and the state (see maps on preceding pages). More than a dozen of North Carolina's leading causes of mortality are depicted in these tables and corresponding maps; in addition, various cancer sites are also tabled and mapped. Total infant mortality data are shown in Table 28 and Figure 28, and Table 1 on page 3-3 describes the cause of death categories in terms of codes from the International Classification of Diseases, Adapted (Eighth Revision).

Beginning with 1975 events, multiple conditions present at death are being coded such that we now have statistics relative to underlying causes of death (Tables 1-27 and corresponding figures) as well as all conditions present at death and reported by the certifier (Tables 29 and 30). Three diseases in particular—hypertension, arteriosclerosis and diabetes—are considered associated conditions far more often than they are considered an underlying cause; hence, Figures 29.A-31.B display 1975-78 county rates for deaths associated with a mention of each of these diseases. Series A maps (blue) are unadjusted rates while series B maps (red) are age-race-sex-adjusted rates.

IN USING THIS VOLUME, PARTICULAR ATTENTION IS CALLED TO THE SECTION ON INTERPRETATION ON PAGE 2-1.

I. COMPUTATION OF MORTALITY RATES

In this report, general mortality rates are expressed as resident deaths per 1,000 population while all cause-specific mortality rates are expressed as resident deaths per 100,000 population. The infant mortality rates of Table 28 and Figure 28 are computed as the number of resident deaths per 1,000 resident live births.

Vital events in this report are allocated to place of residence. For deaths of inmates of long-term institutions (mental, penal, old age, orphan, nursing home, rest home, etc.), the institution is considered the usual residence provided the decedent had resided in the institution at least one year. College students and military personnel are considered residents of the college or military community.

The following definitions apply to the rates of Tables 1-27:

Unadjusted Annual Death Rate: the annual death rate computed as resident deaths per 1,000 or 100,000 population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the given year.

Unadjusted 5-Year Death Rate: the average annual death rate computed as average resident deaths per 1,000 or 100,000 average population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the 5-year period. These rates are depicted in the Series A maps printed in blue.

Adjusted 5-Year Death Rate: the average annual age-race-sex-adjusted rates, computed by the direct method. Also expressed as deaths per 1,000 or 100,000 population, these rates are those which would be expected if the average annual age, race and sex composition of each county's population were the same as that estimated for the state. These rates are free of the effects of age, race and sex and thus permit the user knowledge of an area's status with respect to other determinants of mortality during the 5-year period. These rates are depicted in the Series B maps printed in red.

Population bases for the rates of this report were provided by the Office of State Budget and Management of the North Carolina Department of Administration. For the maps, we clustered counties into six rate intervals using the Statistical Analysis System to group counties "most like each other."

II. INTERPRETATION OF MORTALITY RATES

To assess an area's relative mortality conditions during a five-year period, both the unadjusted rate and the adjusted rate can be compared to the state rate for a particular cause of death. Then, provided the area's unadjusted rate represents a relatively stable situation, viz., the rate has not fluctuated widely in recent years, the following alternative diagnoses will apply:

Relative Status of Unadjusted Rate	Relative Status of Adjusted Rate	Diagnosis
Low	Low	Low mortality is not due to age, race and sex factors; other mortality conditions are favorable.
Low	High	Low mortality is due to favorable age, race and sex factors; other mortality conditions are unfavorable.
High	Low	High mortality is due to unfavorable age, race and sex factors; other mortality conditions are favorable.
High	High	High mortality is not due to age, race and sex factors; other mortality conditions are unfavorable.

In using adjusted rates, it is important that the user understand the reason for adjustment. The following hypothetical example illustrates. Here, A & B stand for population subgroups, e.g., whites and nonwhites, males and females, etc.

	County			State		
	Population	Deaths	Death Rate*	Population	Deaths	Death Rate*
Population A	3,000	1,000	333.3	5,000	2,500	500.0
Population B	100	10	100.0	8,000	1,000	125.0
Total	3,100	1,010	325.8	13,000	3,500	269.2

*Deaths per 1,000 population.

Compared to the state, county subgroups A & B (e.g., whites and nonwhites) both have lower rates, but the county as a whole (A & B combined) has a higher rate. This seemingly paradoxical situation results from two factors: different proportions of A & B in the county vs. the state population and wide differences between the rates for A vs. B. In this example, it is true that the county has the higher total rate—BUT ONLY BECAUSE THE POPULATION CONTAINS A HIGH PROPORTION OF SUBGROUP A.

Certainly, it is important for program planners to know that the county has a high rate relative to the state; this information is needed in determining manpower and facility needs, etc. But in assessing "risk," the researcher needs to adjust for confounding factors such as race. To do this, one multiplies each population-specific county rate by the corresponding "standard" population, sums these results and divides by the total "standard." In the above example, using the state population as the standard, the computation is:

$$\frac{\left(\frac{1,000}{3,000} \times 5,000\right) + \left(\frac{10}{100} \times 8,000\right)}{13,000} = \text{0.1897 or 189.7 per 1,000 population}$$

Thus, as rates specific for A & B imply, the county's rate is lower than the state rate after adjustment for the factor (say, race) represented by A & B.

Caution!

In assessing the relative mortality conditions of a county, one should be particularly aware of small numbers since, in such cases, random fluctuation in the rate may render rate comparisons invalid. This is the case in Mitchell County where there are few nonwhites and a single nonwhite death can drastically alter the county's death rate. To illustrate, one 1977 death in an age-race-sex population group estimated at only 1 resident contributed to the county's age-race-sex-adjusted nephritis/nephrosis death rate rising from 2.16 during 1972-76 to 170.06 during 1974-78. Similarly, the county's adjusted cirrhosis death rate fell from 217.41 during 1972-76 to 4.09 during 1974-78 due to a nonwhite death during 1972. Other counties should be aware of similar situations.

Also, all counties should be aware that some maps for 1974-78 look quite different from corresponding maps for 1973-77. Although extensive changes between two closely overlapping time periods generally would not be expected, it is recalled that death rates ran high in 1973 (9.0 for the state) compared to 1978 (8.5 for the state). The effect of deleting 1973 while adding 1978 may serve to alter clustering patterns more than usual.

III. NORTH CAROLINA MORTALITY TRENDS 1974-1978

For the second consecutive year, North Carolina's death rate rose slightly during 1978 to 8.5 deaths per 1,000 population. Rates for the following causes were 5% or more above 1977 levels: cancer of the pancreas, lung, prostate; influenza/pneumonia; chronic obstructive lung diseases. At the same time, hypertension, stroke, cirrhosis, nephritis/nephrosis and suicide rates were down by at least 7%.

This report covers the five-year period 1974-1978, and the remainder of this analysis focuses largely on changes occurring between the first and last years of the interval. In considering these changes, the reader should be mindful that death rates during 1972 and 1973 were the highest recorded in North Carolina since 1938.

Focus: Race-sex Trends

Whites and nonwhites of both sexes experienced rate declines between 1973 and 1974 with nonwhite females experiencing the greatest reduction. Since that time, only nonwhites have experienced substantial rate reductions—3.5% for nonwhite males and 4.1% for nonwhite females. The white female rate increased slightly during the period. Together, these race-sex changes in mortality have served to lessen the gap between males and females, whites and nonwhites. Still, those concerned with mortality differentials should be aware that in North Carolina in recent years:

- Male death rates have approached or exceeded 100% of female rates for 8 major causes: acute myocardial infarction, lung cancer, chronic obstructive lung diseases, motor vehicle and other accidents, cirrhosis, suicide, homicide.
- Nonwhite death rates have approached or exceeded 100% of white rates for 6 causes: cancer of the stomach, cervix, prostate, hypertension, nephritis/nephrosis, homicide.

During 1978, the four race-sex groups experienced total deaths per 1,000 population as follows: white males (9.6), white females (7.0), nonwhite males (11.2), nonwhite females (7.5). Both female rates were up slightly from 1977 levels.

Focus: Age Trends

Between 1973 and 1974, each of the four race-sex groups experienced reductions in most age-specific rates; exceptions were young adult females of both races whose rates increased. Since 1974, each of 8 age groups studied (given below) has experienced reduced or unchanged mortality. Reductions have been greatest at ages 35-44 and 45-54; these rates dropped by 14.7 and 13.3 percent respectively. Among whites, ages 0-4 experienced a substantial reduction of 16.7% between 1974 and 1978. For all other age groups, nonwhites experienced the greater reductions.

During 1978, the 8 age groups experienced deaths per 1,000 population as follows: 0-4 (4.0), 5-14 (0.4), 15-24 (1.2), 25-34 (1.5), 35-44 (2.9), 45-54 (7.2), 55-64 (16.1), 65+ (51.7). In all age groups, nonwhite rates were higher than corresponding white rates; they were two to three times higher at ages 0-4, 25-34, 35-44 and 45-54.

The median age at death in North Carolina was 69.0 years in 1978 compared to 67.9 in 1974 and 66.4 in 1970. These medians compare to 28.1 years in 1914 when N.C. deaths were first centrally recorded.

Focus: Cause-of-Death Trends

Of the 26 causes tabled in this report, rates for only diabetes and cancer of the colon/rectum, female breast and prostate increased between 1973 and 1974 when the total death rate dropped significantly. Since 1974, however, rates for all major cancer sites except cervix have increased, and the rate for chronic obstructive lung diseases* is up by 30%. At the same time, rates for several cardiovascular causes are down—stroke by an impressive 19%. In numerical terms, this means that about 1,096 fewer North Carolinians died of stroke in 1978 than would have died had the 1974 rate maintained. By the same token, about 1,032 more citizens died of cancer.

The 1974 to 1978 percentage changes in death rates are given in Table 1, page 3-3. In addition to the changes discussed above, Table 1 figures reveal overall improvements in diabetes, cirrhosis of the liver and external causes. The 10% decline in motor vehicle fatality has been related to a 1974 decision to lower the maximum speed limit.

---

*Includes bronchitis, emphysema, asthma and other chronic obstructive lung disease.

Table 1

Mortality Statistics for 1978 and 1974-1978

North Carolina Residents

Cause of Death - Eighth Revision International Classification of Diseases, Adapted	No. of Deaths 1978	Death Rate* 1978	Death Rate* 1974-78	Percent Change** 1974-78
All Causes	47,301	8.5	8.5	- 1.3
Heart Disease 390-398,402,404,410-429	17,445	312.8	308.8	- 0.1
Acute Myocardial Infarction 410	8,323	149.2	152.9	- 7.3
Other Ischemic Heart Disease 411-413	7,063	126.6	122.5	+ 3.3
Hypertension 400,401,403	144	2.6	3.5	-43.5
Cerebrovascular Diseases 430-438	4,693	84.1	93.3	-19.0
Arteriosclerosis 440	614	11.0	11.1	- 9.1
Cancer 140-209	8,912	159.8	150.2	+13.1
Stomach 151	294	5.3	5.3	+ 8.2
Colon and Rectum 153,154	959	17.2	16.6	+ 8.2
Pancreas 157	515	9.2	8.2	+24.3
Trachea, Bronchus and Lung 162	2,127	38.1	33.9	+26.2
Female Breast 174	746	26.0	24.9	+ 6.1
Cervix Uteri 180	149	5.2	6.0	-20.0
Ovary, Fallopian Tube and Broad Ligament . . 183	233	8.1	7.5	+15.7
Prostate 185	569	21.0	19.5	+11.1
Leukemia 204-207	331	5.9	6.2	+ 5.4
Diabetes Mellitus 250	796	14.3	15.8	-22.3
Influenza and Pneumonia 470-474,480-486	1,428	25.6	24.8	+ 7.1
Chronic Obstructive Lung Diseases† . 490-493,519.3	1,220	21.9	18.8	+29.6
Cirrhosis of the Liver 571	650	11.7	12.8	-16.4
Nephritis and Nephrosis 580-584	284	5.1	4.9	+10.9
Motor Vehicle Accidents 810-823	1,493	26.8	27.8	-10.4
Accidents Excluding Motor Vehicles 800-807,825-949	1,648	29.5	30.0	- 1.3
Suicide 950-959	656	11.8	12.8	- 8.5
Homicide 960-978	660	11.8	12.8	-17.5

*See page 1-1 for definitions.

**Percent change since 1974 computed on basis of deaths per 100,000 population significant to one decimal place.

†Includes bronchitis, emphysema, asthma and other chronic obstructive lung disease.

Given below are the average annual percent changes in selected death rates observed in N.C. during 1974-78 and in the U.S. during 1974-77. Unfortunately, recent U.S. rates for site-specific cancer and the complex of chronic obstructive lung diseases are not available.

	Average Annual Percent Change in Death Rates	
Underlying Cause	United States 1974-77	North Carolina 1974-78
All Causes	-1.35	- 0.34
Heart Disease	-1.61	- 0.03
Acute Myocardial Infarction	-3.48	- 1.81
Other Ischemic Heart Disease	-0.64	+ 0.82
Hypertension	-7.07	-10.87
Stroke	-4.76	- 4.74
Arteriosclerosis	-4.36	- 2.27
Cancer	+1.60	+ 3.27
Diabetes	-4.71	- 5.57
Influenza and Pneumonia	-2.83	+ 1.78
Cirrhosis of the Liver	-3.16	- 4.11
Nephritis and Nephrosis	+0.88	+ 2.72
Motor Vehicle Accidents	+1.36	- 2.59
All Other Accidents	-3.27	- 0.33
Suicide	+3.31	- 2.13
Homicide	-3.27	- 4.37

As seen above, North Carolina's total death rate is recently declining much less than that for the U.S. due mainly to far less decline in heart disease and non-motor-vehicle accidents and a greater increase in cancer mortality. These findings suggest that the state's population may be aging faster than the U.S. population, and indeed, that is found to be the case. Relative to changes in the U.S., the proportion of the N.C. population that are ages 0-4 is declining and the proportion of the population that are 65 and over is increasing faster.

Based on the above, it is apparent that accurate assessment of changes in mortality risk requires age-adjusted death rates. Although these are not presently available, efforts to produce the rates for each race-sex group for a number of years are underway and a report of the results will be forthcoming. This effort utilizes the 1940 U.S. population as the standard for adjustment in order to compare N.C.'s experience to that of the entire U.S.

In the meantime, the 1940 U.S. standard has been used to compute 1975 and 1977 age-adjusted rates for the total N.C. population. Compared to corresponding U.S. rates, these rates point up some severe mortality conditions in North Carolina as capsuled in the following statement relative to 1977:

> Compared age for age to all Americans, North Carolinians are experiencing about 10% greater mortality: 10% more from heart disease, 33% more from stroke, 16% more from arteriosclerosis, 12% more from diabetes, 26% more from influenza/pneumonia, 22% more from accidents, 23% more from homicide. Cirrhosis and suicide levels are about the same as nationwide; cancer mortality is about 4% lower.

The 4% cancer deficit in 1977 follows a 6% deficit in 1975, thus reflecting North Carolina's rapidly rising rate relative to that of the U.S., even after age-adjustment. Certainly, health officials in North Carolina need to be concerned, especially with rising colon, breast and prostate cancer since these forms of cancer, like cervical cancer, are amenable to early detection and treatment. North Carolina's public health community should also consider major initiatives in the area of accidents. In 1977, N.C.'s age-adjusted motor vehicle fatality rate exceeded the U.S. rate by 13%. But more alarming, N.C.'s adjusted rate for other accidental deaths was 30% above the U.S. rate. Detail for 1977 shows that N.C. unadjusted rates for accidental poisoning, firearms and fires exceeded corresponding national rates by 78, 56 and 48 percent respectively.

Regarding "mentioned conditions" data which are available only for 1975 forward, Section V of this report provides 1978 frequencies for major conditions and 1975-78 maps for three leading conditions. For the state as a whole, 1978 rates for mentions of those three conditions were all down from 1975 levels—arteriosclerosis by 5.4%, diabetes by 3.7% and hypertension by 2.2%.

Focus: Cause-race-sex Trends

Whatever the reasons (aging and otherwise) for recent changes in death rates for cardiovascular and related causes, cancer and noncancer lung diseases, these changes are of utmost importance in terms of health program planning. Thus, it behooves us to look at current rates and recent changes within race-sex groups. As noted earlier, certain causes are associated with unreasonably wide gaps between the sexes and the races.

Undoubtedly, some gaps observed on the following page are associated with race-sex differences in age structure and recent changes therein. Again, age-adjusted rates will allow for more accurate assessments of real race-sex differences in mortality.

1978 Death Rates and Percent Change Since 1974

Underlying Cause	White Male		White Female		Nonwhite Male		Nonwhite Female	
	Rate	Percent Change	Rate	Percent Change	Rate	Percent Change	Rate	Percent Change
Heart Disease	381.6	- 0.2	260.1	+ 0.6	330.6	- 1.4	255.2	+ 2.3
Acute Myocardial Infarction	214.6	- 7.3	109.6	- 6.6	137.9	- 7.3	86.7	- 3.7
Other Ischemic Heart Disease	132.2	+10.4	118.7	+ 0.6	138.7	- 5.3	124.2	+ 1.4
Hypertension	1.3	-53.6	2.0	-28.6	6.0	-47.8	5.3	-45.4
Stroke	68.4	-23.0	90.6	-13.7	101.9	-19.1	95.4	-23.2
Arteriosclerosis	9.3	- 7.0	12.8	-10.5	9.6	-13.5	11.7	- 3.3
Diabetes Mellitus	11.2	-17.6	13.2	-27.1	15.6	-28.4	25.9	-17.0
Nephritis and Nephrosis	4.1	+13.9	3.1	+14.8	10.7	+ 0.9	9.5	+17.3
Cancer	181.3	+12.7	139.5	+12.4	198.9	+19.9	123.9	+12.1
Stomach	4.8	+ 2.1	4.0	+ 5.3	10.4	+10.6	6.1	+19.6
Colon/Rectum	17.2	+ 8.9	18.4	+ 7.6	15.1	+24.8	15.2	- 3.2
Pancreas	11.1	+18.1	8.3	+31.7	8.1	0.0	7.8	+95.0
Trachea, Bronchus and Lung	64.3	+22.5	16.6	+52.3	58.2	+23.8	8.8	+17.3
Female Breast	-	-	26.7	+ 4.7	-	-	23.8	+15.5
Cervix	-	-	3.4	-33.3	-	-	11.0	+ 0.9
Ovary	-	-	8.7	+10.1	-	-	6.3	+57.5
Prostate	17.6	+12.8	-	-	32.6	+ 7.9	-	-
Leukemia	7.1	+ 7.6	5.6	+ 3.7	6.3	+ 3.3	3.1	+19.2
Chronic Obstructive Lung Diseases*	37.6	+19.4	12.3	+55.7	21.1	+56.3	5.1	+27.5

*Includes bronchitis, emphysema, asthma and other chronic obstructive lung disease.

Focus: Infant Mortality

For the first time in recent history, N.C.'s 1977 infant death rate was exceeded by that of D.C. and as many as 7 other states. Unfortunately, the N.C. rate rose from 15.8 in 1977 to 16.6 in 1978, the first rise since 1972. Neonatal and postneonatal rates were 2.7% and 12.8% respectively over 1977 levels. By race, 1978 rates and 1977-78 percent changes were:

	1978			
	Neonatal		Postneonatal	
	Rate	Percent Change	Rate	Percent Change
White	9.2	+ 3.4	3.9	+14.7
Nonwhite	15.8	- 0.6	8.2	+ 7.9

IV. TABLES AND FIGURES:
MORTALITY STATISTICS FOR 1974-1978

TABLE 2

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

GENERAL MORTALITY (PER 1000 POPULATION)

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	47301	8.48	231659	8.45	8.45
REGIONS					
DHR I WESTERN	16281	8.57	79775	8.52	8.30
DHR II N. CENTRAL	10264	8.61	50315	8.53	8.31
DHR III S. CENTRAL	10100	7.96	48797	7.86	8.76
DHR IV EASTERN	10656	8.74	52772	8.87	6.96
HSA I WESTERN	8563	8.95	42067	8.93	8.18
HSA II PIEDMONT	8814	8.37	43320	8.32	8.31
HSA III S. PIEDMONT	7718	8.18	37708	8.12	8.43
HSA IV CAPITAL	6356	8.29	30407	8.12	8.45
HSA V CARDINAL	6972	8.23	34154	8.21	8.97
HSA VI EASTERN	8878	8.75	44003	8.90	9.05
COUNTIES					
1 ALAMANCE	862	8.79	4272	8.63	8.35
2 ALEXANDER	189	8.36	844	7.65	8.51
3 ALLEGHANY	89	10.10	517	11.77	8.51
4 ANSON	260	11.04	1256	10.53	7.54
5 ASHE	201	9.68	1044	10.30	8.17
6 AVERY	133	9.63	686	9.81	9.31
7 BEAUFORT	455	11.38	2226	11.51	9.63
8 BERTIE	248	11.68	1218	11.60	8.87
9 BLADEN	264	9.02	1370	9.50	8.61
10 BRUNSWICK	258	7.88	1230	7.50	7.83
11 BUNCOMBE	1505	9.74	7767	10.24	8.36
12 BURKE	505	7.91	2429	7.54	7.55
13 CABARRUS	763	9.57	3607	9.16	8.77
14 CALDWELL	490	8.05	2369	7.83	9.27
15 CAMDEN	55	9.57	296	10.33	9.04
16 CARTERET	349	9.43	1773	9.79	9.37
17 CASWELL	177	9.01	849	8.67	7.62
18 CATAWBA	759	7.52	3660	7.35	8.41
19 CHATHAM	314	10.12	1440	9.48	8.41
20 CHEROKEE	178	10.05	873	10.07	8.44
21 CHOWAN	140	11.42	630	10.95	9.34
22 CLAY	60	9.98	303	10.78	8.55
23 CLEVELAND	737	9.40	3438	8.81	9.00
24 COLUMBUS	482	9.33	2433	9.56	9.29
25 CRAVEN	492	7.28	2519	7.43	9.51
26 CUMBERLAND	1181	5.06	5957	5.16	9.39
27 CURRITUCK	101	9.53	518	10.23	9.22
28 DARE	101	9.50	473	9.75	7.89
29 DAVIDSON	778	7.57	3787	7.47	7.86
30 DAVIE	183	8.15	885	8.22	7.34
31 DUPLIN	385	9.61	1881	9.43	8.67
32 DURHAM	1241	8.52	6172	8.67	8.48
33 EDGECOMBE	507	9.13	2612	9.60	9.25
34 FORSYTH	1934	8.43	9452	8.32	8.60
35 FRANKLIN	313	11.13	1472	10.47	8.63
36 GASTON	1261	8.08	6292	8.06	8.54
37 GATES	104	12.59	453	10.92	7.99
38 GRAHAM	72	10.28	297	8.89	7.61
39 GRANVILLE	284	8.64	1469	8.94	8.37
40 GREENE	122	8.21	622	8.30	8.76
41 GUILFORD	2464	8.06	12256	8.11	8.34

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
GENERAL MORTALITY (PER 1000 POPULATION) CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	585	10.54	2959	10.71	9.12
43 HARNETT	549	9.85	2495	9.17	9.49
44 HAYWOOD	408	9.13	2060	9.39	7.83
45 HENDERSON	563	10.90	2657	10.70	8.52
46 HERTFORD	218	8.71	1152	9.55	7.66
47 HOKE	164	8.70	723	8.08	8.75
48 HYDE	67	12.20	343	12.39	8.62
49 IREDELL	696	8.77	3433	8.78	8.32
50 JACKSON	176	6.92	981	7.91	7.98
51 JOHNSTON	727	10.90	3434	10.48	10.10
52 JONES	94	9.58	473	9.87	8.95
53 LEE	322	9.17	1537	9.06	8.99
54 LENOIR	516	8.78	2655	9.00	9.10
55 LINCOLN	316	8.12	1607	8.56	9.22
56 MCDOWELL	279	8.17	1321	7.86	7.79
57 MACON	181	9.41	929	10.12	6.81
58 MADISON	192	11.16	846	9.98	6.87
59 MARTIN	296	11.66	1283	10.20	9.61
60 MECKLENBURG	2837	7.37	13925	7.38	8.44
61 MITCHELL	134	9.52	697	9.99	8.34
62 MONTGOMERY	225	11.32	1072	10.93	9.02
63 MOORE	509	11.39	2302	10.70	8.93
64 NASH	646	9.58	3024	9.21	8.71
65 NEW HANOVER	843	8.62	4112	8.54	8.74
66 NORTHAMPTON	247	10.56	1257	10.86	8.44
67 ONSLOW	452	3.84	2210	4.11	9.50
68 ORANGE	426	6.12	1903	5.54	7.24
69 PAMLICO	115	11.54	514	10.72	8.30
70 PASQUOTANK	243	8.44	1369	9.67	8.58
71 PENDER	195	8.80	994	9.40	8.05
72 PERQUIMANS	92	10.47	501	11.78	7.51
73 PERSON	271	9.98	1270	9.40	8.77
74 PITT	630	7.72	3329	8.43	9.18
75 POLK	166	13.34	822	13.03	8.06
76 RANDOLPH	695	8.20	3218	7.74	7.98
77 RICHMOND	468	10.93	2217	10.68	10.02
78 ROBESON	806	8.58	4289	9.22	9.93
79 ROCKINGHAM	770	10.05	3905	10.18	9.32
80 ROWAN	911	9.74	4310	9.29	7.80
81 RUTHERFORD	522	10.11	2494	9.83	8.61
82 SAMPSON	489	9.95	2370	9.82	8.83
83 SCOTLAND	279	8.99	1334	8.95	10.11
84 STANLY	426	9.42	2165	9.64	9.04
85 STOKES	196	6.52	1100	7.63	7.43
86 SURRY	516	9.21	2483	8.99	8.37
87 SWAIN	98	9.62	484	9.69	7.82
88 TRANSYLVANIA	171	7.78	834	7.78	9.30
89 TYRRELL	45	11.12	241	12.38	8.49
90 UNION	508	7.78	2369	7.50	8.08
91 VANCE	380	11.06	1792	10.58	9.19
92 WAKE	1876	6.73	8926	6.63	8.10
93 WARREN	202	11.81	992	11.88	8.71
94 WASHINGTON	119	7.87	645	8.86	8.53
95 WATAUGA	191	6.65	899	6.28	6.51
96 WAYNE	837	9.00	3801	8.37	9.69
97 WILKES	439	7.88	2131	7.81	7.94
98 WILSON	617	10.14	3026	10.04	9.91
99 YADKIN	239	8.84	1113	8.28	7.42
100 YANCEY	125	8.54	685	9.67	7.83

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

GENERAL MORTALITY

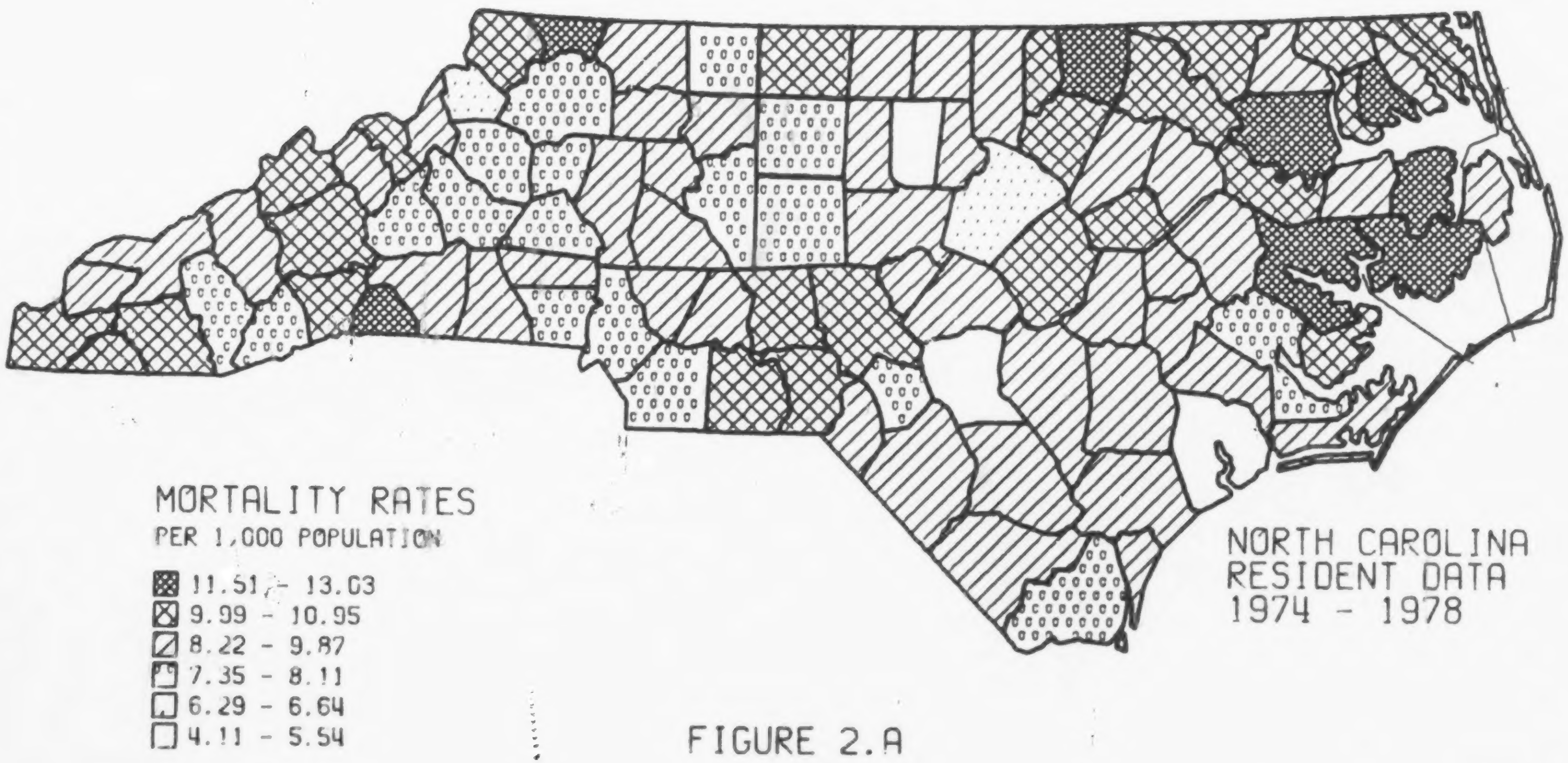
MORTALITY RATES
PER 1,000 POPULATION
▩ 11.51 - 13.03
☒ 9.99 - 10.95
▨ 8.22 - 9.87
☐ 7.35 - 8.11
☐ 6.29 - 6.64
☐ 4.11 - 5.54
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 2.A

GENERAL MORTALITY

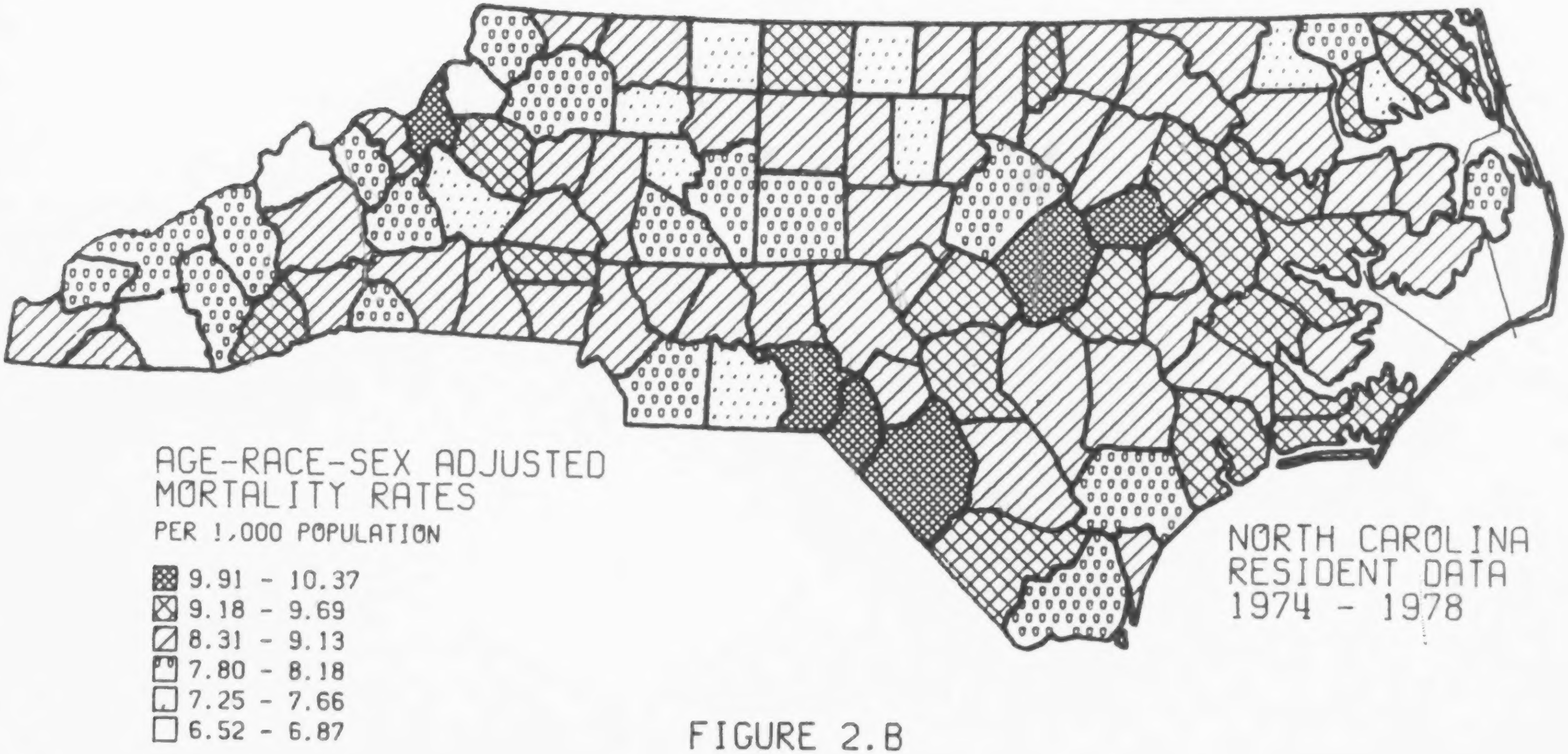
AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 1,000 POPULATION
▩ 9.91 - 10.37
☒ 9.18 - 9.69
▨ 8.31 - 9.13
▤ 7.80 - 8.18
☐ 7.25 - 7.66
☐ 6.52 - 6.87
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 2.B

TABLE 3

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

HEART DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	17445	312.80	84597	308.77	308.77
REGIONS					
DHR I WESTERN	6135	323.05	29840	319.06	300.48
DHR II N. CENTRAL	3802	319.08	18818	319.02	307.70
DHR III S. CENTRAL	3649	287.69	17204	277.34	322.12
DHR IV EASTERN	3859	316.81	18735	315.20	328.92
HSA I WESTERN	3288	343.74	15898	337.58	290.59
HSA II PIEDMONT	3221	306.18	16100	309.25	305.59
HSA III S. PIEDMONT	2847	302.06	13942	300.28	310.26
HSA IV CAPITAL	2393	312.41	11090	296.41	315.00
HSA V CARDINAL	2515	297.22	11990	288.26	330.47
HSA VI EASTERN	3181	313.75	15577	315.40	332.32
COUNTIES					
1 ALAMANCE	332	338.69	1600	323.39	305.97
2 ALEXANDER	72	318.56	314	284.63	283.77
3 ALLEGHANY	25	283.76	158	359.70	212.90
4 ANSON	95	403.39	478	401.04	284.87
5 ASHE	81	390.22	417	411.54	283.76
6 AVERY	56	405.53	289	413.32	485.88
7 BEAUFORT	185	462.89	780	403.49	333.87
8 BERTIE	91	428.59	439	418.41	326.63
9 BLADEN	108	369.35	477	330.93	309.69
10 BRUNSWICK	86	262.90	432	263.46	284.98
11 BUNCOMBE	511	330.93	2656	350.32	263.13
12 BURKE	185	289.98	865	268.62	258.79
13 CABARRUS	288	361.35	1435	364.46	340.67
14 CALDWELL	183	300.67	895	295.89	367.45
15 CAMDEN	21	365.47	98	342.29	316.79
16 CARTERET	148	399.90	766	423.31	391.53
17 CASWELL	49	249.45	250	255.35	224.31
18 CATAWBA	264	261.63	1357	272.73	301.69
19 CHATHAM	121	390.09	534	351.68	307.52
20 CHEROKEE	73	412.45	337	388.75	319.50
21 CHOWAN	45	367.07	201	349.37	313.48
22 CLAY	20	332.77	132	469.66	330.71
23 CLEVELAND	311	396.99	1496	383.73	390.12
24 COLUMBUS	185	358.48	912	358.62	349.62
25 CRAVEN	151	223.65	793	233.91	323.77
26 CUMBERLAND	372	159.49	1811	156.98	343.09
27 CURRITUCK	41	387.15	198	391.32	347.05
28 DARE	31	291.65	168	346.49	246.19
29 DAVIDSON	318	309.47	1544	304.58	307.78
30 DAVIE	74	329.72	342	317.84	268.74
31 DUPLIN	150	374.42	722	362.13	335.48
32 DURHAM	450	309.11	2174	305.52	302.72
33 EDGECOMBE	169	304.33	847	311.49	310.69
34 FORSYTH	698	304.26	3500	308.40	321.74
35 FRANKLIN	119	423.27	573	407.72	329.72
36 GASTON	499	319.95	2489	319.04	336.75
37 GATES	37	448.15	180	433.92	320.46
38 GRAHAM	33	471.29	120	359.47	246.34
39 GRANVILLE	107	325.74	604	367.83	349.52
40 GREENE	46	309.76	218	291.17	328.38
41 GUILFORD	885	289.73	4498	297.68	308.80

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
HEART DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	211	380.48	1030	372.89	328.80
43 HARNETT	180	323.10	963	354.03	368.11
44 HAYWOOD	162	362.91	773	352.36	233.96
45 HENDERSON	213	412.44	948	381.92	274.77
46 HERTFORD	90	359.97	443	367.32	315.94
47 HOKE	62	329.26	230	257.33	296.27
48 HYDE	19	346.02	138	498.53	330.90
49 IREDELL	264	332.84	1291	330.53	306.17
50 JACKSON	65	255.87	392	316.46	306.10
51 JOHNSTON	295	442.33	1432	437.27	416.03
52 JONES	38	387.59	175	365.20	337.38
53 LEE	130	370.56	554	326.70	322.56
54 LENOIR	175	297.87	889	301.55	320.18
55 LINCOLN	103	264.69	558	297.30	310.89
56 MCDOWELL	106	310.65	476	283.32	257.49
57 MACON	79	411.03	409	445.66	266.64
58 MADISON	82	476.63	344	406.16	207.56
59 MARTIN	112	441.32	515	409.54	393.57
60 MECKLENBURG	988	256.84	4857	257.42	303.17
61 MITCHELL	47	333.99	240	344.17	295.61
62 MONTGOMERY	78	392.53	426	434.72	343.76
63 MOORE	187	418.50	849	394.73	316.96
64 NASH	225	333.96	1081	329.54	312.33
65 NEW HANOVER	334	341.75	1489	309.46	319.83
66 NORTHAMPTON	91	389.22	468	404.52	329.93
67 ONSLOW	129	109.73	610	113.57	345.14
68 ORANGE	162	232.90	666	193.99	261.90
69 PAMLICO	36	361.26	187	390.07	296.86
70 PASQUOTANK	84	291.97	490	346.46	310.69
71 PENDER	73	329.52	325	307.61	266.08
72 PERQUIMANS	39	443.98	185	435.02	266.77
73 PERSON	118	434.94	483	357.71	333.70
74 PITT	251	307.70	1287	326.07	367.31
75 POLK	67	538.80	322	510.61	300.17
76 RANDOLPH	270	318.76	1211	291.63	292.01
77 RICHMOND	203	474.33	865	416.72	387.82
78 ROBESON	268	285.48	1354	291.13	351.69
79 ROCKINGHAM	261	340.89	1415	369.15	326.97
80 ROWAN	355	379.71	1648	355.27	282.89
81 RUTHERFORD	230	445.75	999	393.97	316.10
82 SAMPSON	183	372.48	925	383.38	340.00
83 SCOTLAND	101	325.55	454	304.72	357.48
84 STANLY	169	374.01	844	376.11	341.22
85 STOKES	68	226.50	437	303.44	279.84
86 SURRY	187	334.02	938	339.75	291.45
87 SWAIN	39	382.84	193	386.57	293.69
88 TRANSYLVANIA	66	300.58	287	268.01	306.89
89 TYRRELL	20	494.31	83	426.47	278.03
90 UNION	181	277.28	820	259.61	278.87
91 VANCE	150	436.79	668	394.51	345.38
92 WAKE	654	234.82	3012	223.92	285.50
93 WARREN	87	508.92	390	467.28	353.18
94 WASHINGTON	45	297.87	233	320.33	317.43
95 WATAUGA	81	282.13	345	241.31	251.64
96 WAYNE	289	310.82	1350	297.54	363.99
97 WILKES	207	371.56	918	336.84	343.77
98 WILSON	212	348.62	1003	332.80	340.82
99 YADKIN	79	292.51	365	271.74	238.12
100 YANCEY	30	204.96	216	304.92	184.12

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

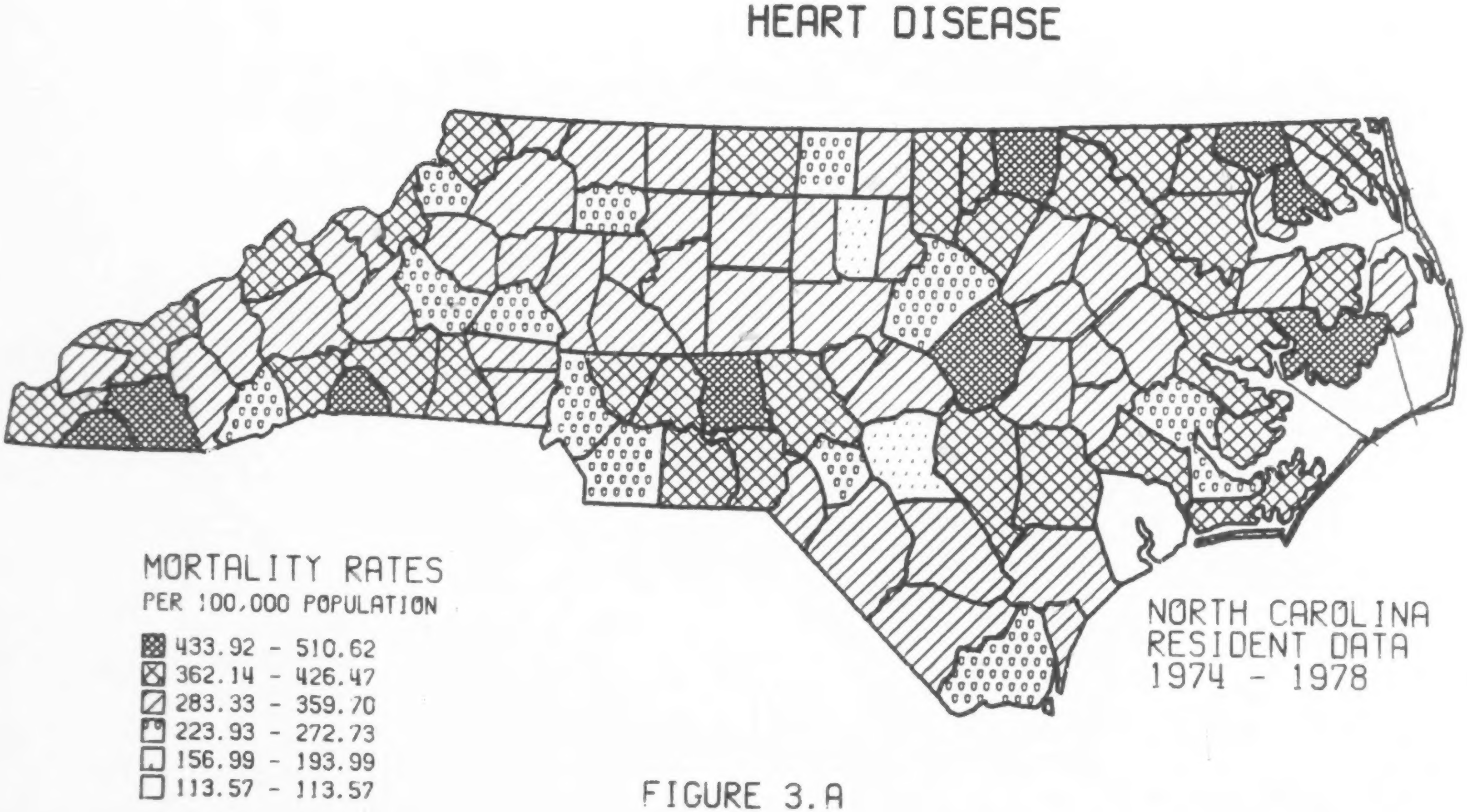
HEART DISEASE
MORTALITY RATES
PER 100,000 POPULATION
▩ 433.92 - 510.62
☒ 362.14 - 426.47
▨ 283.33 - 359.70
▦ 223.93 - 272.73
☐ 156.99 - 193.99
☐ 113.57 - 113.57
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 3.A

HEART DISEASE

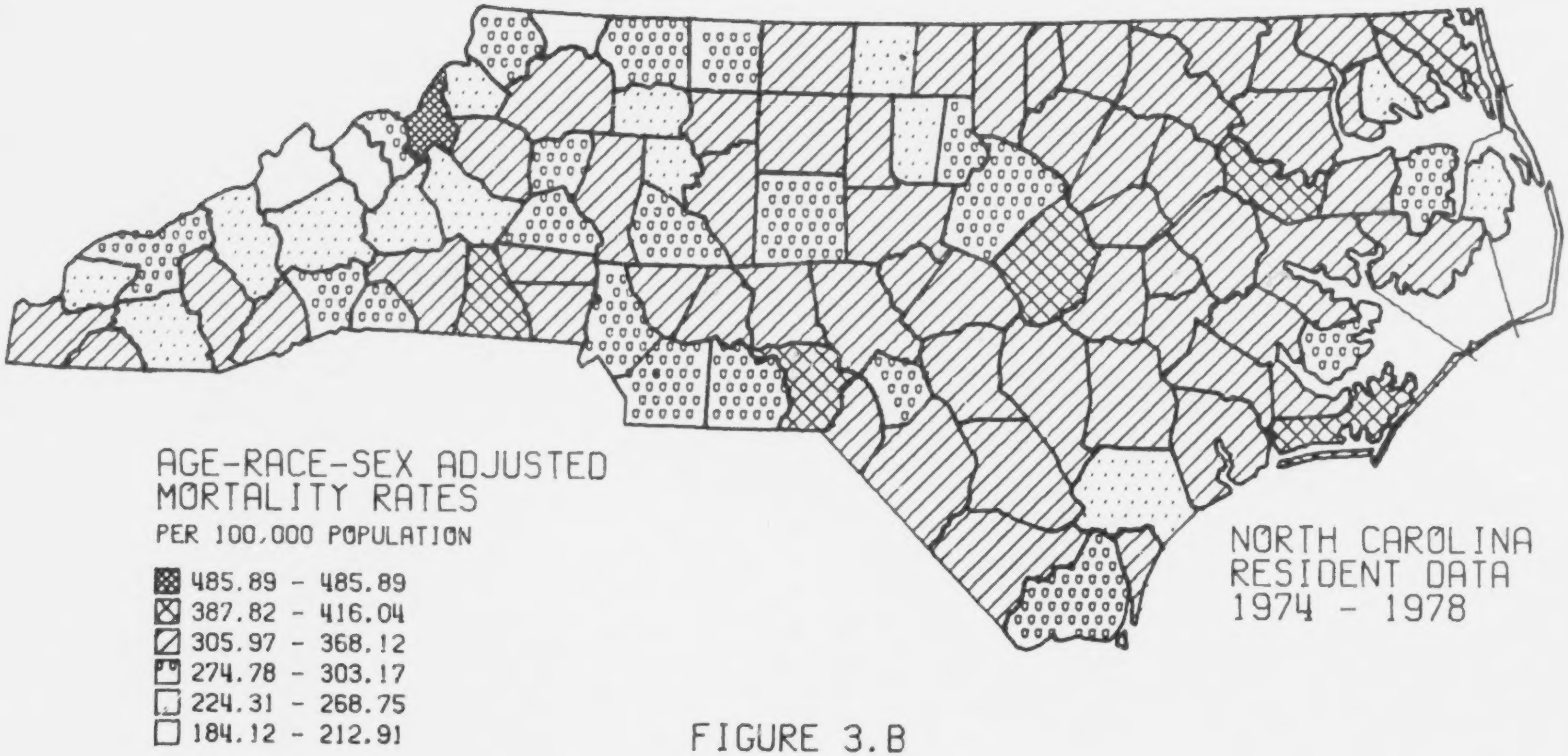
AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 485.89 - 485.89
☒ 387.82 - 416.04
▨ 305.97 - 368.12
▦ 274.78 - 303.17
⬚ 224.31 - 268.75
☐ 184.12 - 212.91
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 3.B

TABLE 4

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

ACUTE MYOCARDIAL INFARCTION

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	8323	149.23	41903	152.94	152.94
REGIONS					
DHR I WESTERN	2966	156.18	14787	158.11	143.74
DHR II N. CENTRAL	1880	157.78	9864	167.22	160.16
DHR III S. CENTRAL	1729	136.31	8164	131.61	155.63
DHR IV EASTERN	1748	143.50	9088	152.89	164.17
HSA I WESTERN	1539	160.89	7772	165.03	139.04
HSA II PIEDMONT	1606	152.66	8528	163.81	159.20
HSA III S. PIEDMONT	1427	151.40	7015	151.08	151.58
HSA IV CAPITAL	1069	139.56	5127	137.03	147.72
HSA V CARDINAL	1253	148.08	5935	142.69	167.03
HSA VI EASTERN	1429	140.94	7526	152.38	165.85
COUNTIES					
1 ALAMANCE	181	184.64	842	170.18	156.23
2 ALEXANDER	40	176.98	171	155.01	151.77
3 ALLEGHANY	13	147.55	79	179.85	97.80
4 ANSON	52	220.80	263	220.65	163.46
5 ASHE	44	211.97	209	206.26	142.60
6 AVERY	33	238.97	142	203.08	183.01
7 BEAUFORT	84	210.17	390	201.74	172.70
8 BERTIE	41	193.10	224	213.49	171.81
9 BLADEN	40	136.79	248	172.05	163.72
10 BRUNSWICK	47	143.68	221	134.78	140.76
11 BUNCOMBE	201	130.17	1183	156.03	114.39
12 BURKE	98	153.61	498	154.65	144.87
13 CABARRUS	177	222.08	867	220.20	198.72
14 CALDWELL	93	152.79	419	138.52	162.31
15 CAMDEN	9	156.63	36	125.74	115.63
16 CARTERET	84	226.97	389	214.97	193.40
17 CASWELL	26	132.36	115	117.46	109.00
18 CATAWBA	157	155.59	788	158.37	170.15
19 CHATHAM	62	199.88	273	179.79	158.56
20 CHEROKEE	38	214.70	173	199.57	184.19
21 CHOWAN	18	146.83	97	168.60	158.47
22 CLAY	13	216.30	82	291.76	241.93
23 CLEVELAND	148	188.92	730	187.24	187.68
24 COLUMBUS	78	151.14	390	153.35	157.19
25 CRAVEN	66	97.75	382	112.68	156.37
26 CUMBERLAND	202	86.60	860	74.55	163.32
27 CURRITUCK	18	169.97	99	195.66	166.90
28 DARE	14	131.71	84	173.24	115.89
29 DAVIDSON	133	129.43	884	174.38	171.79
30 DAVIE	42	187.14	179	166.35	138.34
31 DUPLIN	85	212.17	419	210.15	196.14
32 DURHAM	220	151.12	989	138.99	141.08
33 EDGECOMBE	78	140.46	427	157.03	161.99
34 FORSYTH	336	146.46	1914	168.65	176.19
35 FRANKLIN	75	266.77	366	260.42	209.49
36 GASTON	269	172.48	1286	164.84	166.50
37 GATES	14	169.57	86	207.31	157.88
38 GRAHAM	11	157.09	45	134.80	86.59
39 GRANVILLE	41	124.81	247	150.42	148.10
40 GREENE	20	134.68	98	130.89	149.37
41 GUILFORD	431	141.10	2249	148.84	153.63

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
ACUTE MYOCARDIAL INFARCTION CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	101	182.12	525	190,07	177,28
43 HARNETT	88	157.96	447	164,33	167.89
44 HAYWOOD	84	188.17	438	199,65	136,08
45 HENDERSON	92	178.14	453	174,44	115,21
46 HERTFORD	32	127.98	178	147,59	138,83
47 HOKE	36	191.18	118	132,02	156,74
48 HYDE	11	200.32	77	278,16	192,53
49 IREDELL	143	180.29	695	177.93	161.05
50 JACKSON	31	122.03	189	152,58	143,18
51 JOHNSTON	114	170.93	510	155,73	143,67
52 JONES	19	193.79	86	179.47	175,11
53 LEE	77	219.48	325	191,66	187,06
54 LENOIR	77	131,06	441	149,58	163,91
55 LINCOLN	64	164,46	356	189,67	194,36
56 MCDOWELL	50	146.53	233	138,68	130,45
57 MACON	45	234.13	246	268,05	163,63
58 MADISON	32	186.00	160	188,91	102,56
59 MARTIN	36	141.85	174	138,37	142,31
60 MECKLENBURG	371	96.44	1918	101,65	120.64
61 MITCHELL	20	142.12	115	164,91	88,92
62 MONTGOMERY	54	271.75	271	276,55	224,48
63 MOORE	101	226.03	449	208,76	168,38
64 NASH	118	175.14	624	190,22	183,27
65 NEW HANOVER	153	156.55	754	156,70	162,04
66 NORTHAMPTON	37	158,25	223	192,75	174,30
67 ONSLOW	65	55.29	299	55,67	165,94
68 ORANGE	72	103,51	316	92,04	126,74
69 PAMLICO	11	110,38	71	148,10	114,71
70 PASQUOTANK	42	145,98	235	166,15	156,85
71 PENDER	41	185,07	197	186,46	163,16
72 PERQUIMANS	13	147,99	75	176,36	118,64
73 PERSON	49	180.61	217	160,71	151.57
74 PITT	109	133,62	558	141,37	167,99
75 POLK	28	225,17	111	176,02	113,90
76 RANDOLPH	150	177,08	688	165,68	161.56
77 RICHMOND	98	228.98	451	217,27	203,08
78 ROBESON	120	127.82	590	126,86	158,83
79 ROCKINGHAM	134	175.01	746	194,62	169.60
80 ROWAN	202	216,06	971	209.32	163,82
81 RUTHERFORD	102	197.68	472	186,14	151,01
82 SAMPSON	102	207.61	486	201,43	180,88
83 SCOTLAND	41	132,15	190	127,52	154,89
84 STANLY	111	245,65	535	238,41	210,54
85 STOKES	37	123,24	251	174,28	158,56
86 SURRY	97	173,26	494	178,93	145.97
87 SWAIN	20	196.32	120	240,35	186,45
88 TRANSYLVANIA	35	159.40	163	152,21	138,51
89 TYRRELL	8	197,72	38	195,25	136,36
90 UNION	90	137,87	387	122,52	128,65
91 VANCE	61	177.63	265	156.50	139.60
92 WAKE	250	89,76	1378	102,44	131,53
93 WARREN	48	280,78	241	288,76	212,72
94 WASHINGTON	7	46,33	70	96,23	92,98
95 WATAUGA	46	160,22	192	134,29	137,56
96 WAYNE	126	135,51	617	135,98	173,73
97 WILKES	52	93,34	268	98,33	94,43
98 WILSON	86	141.42	504	167,23	174,66
99 YADKIN	39	144.40	166	123,59	97.60
100 YANCEY	13	88,81	113	159,52	98,76

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

ACUTE MYOCARDIAL INFARCTION

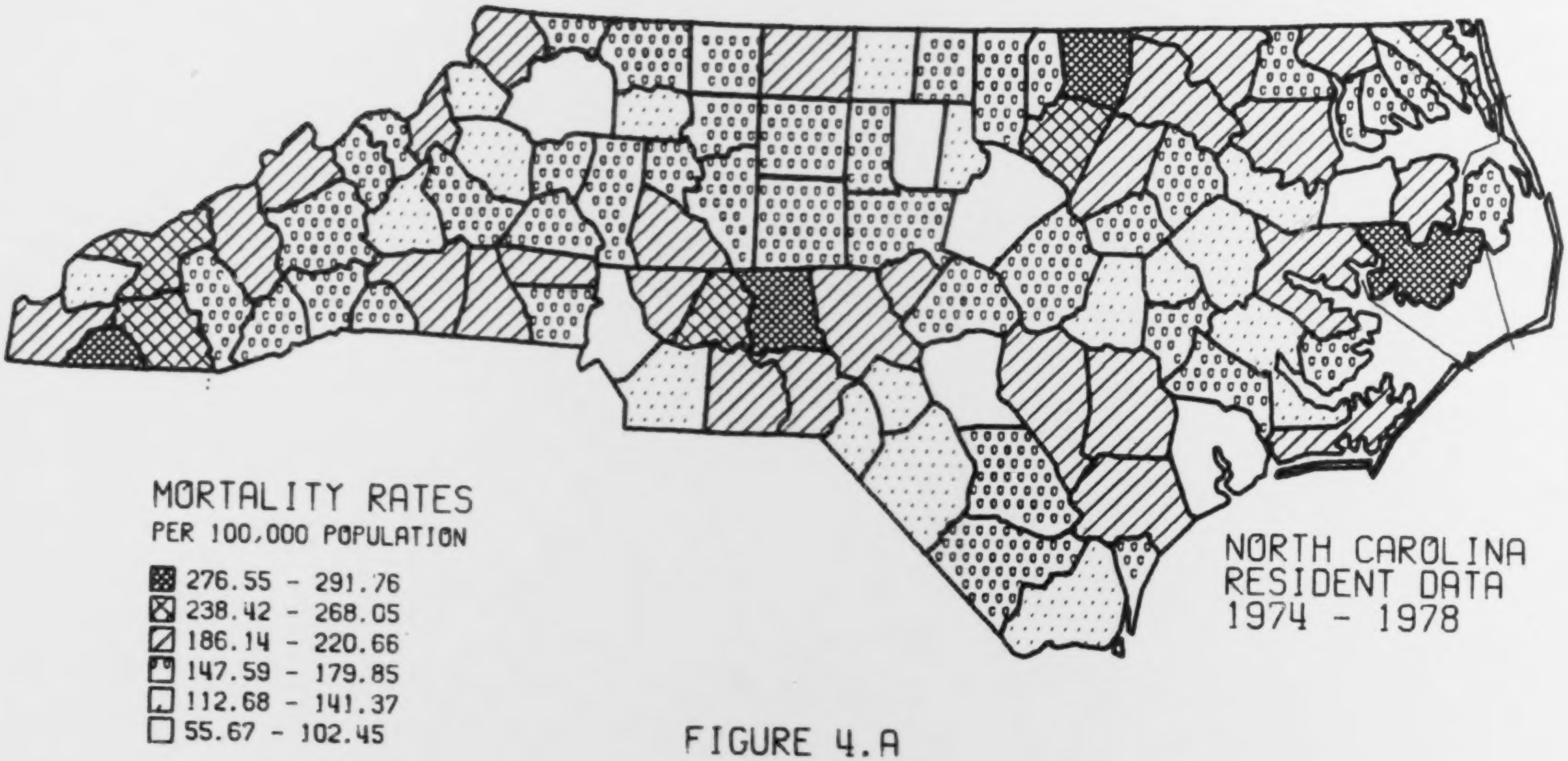
MORTALITY RATES
PER 100,000 POPULATION
▩ 276.55 - 291.76
☒ 238.42 - 268.05
▨ 186.14 - 220.66
▦ 147.59 - 179.85
▤ 112.68 - 141.37
☐ 55.67 - 102.45
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 4.A

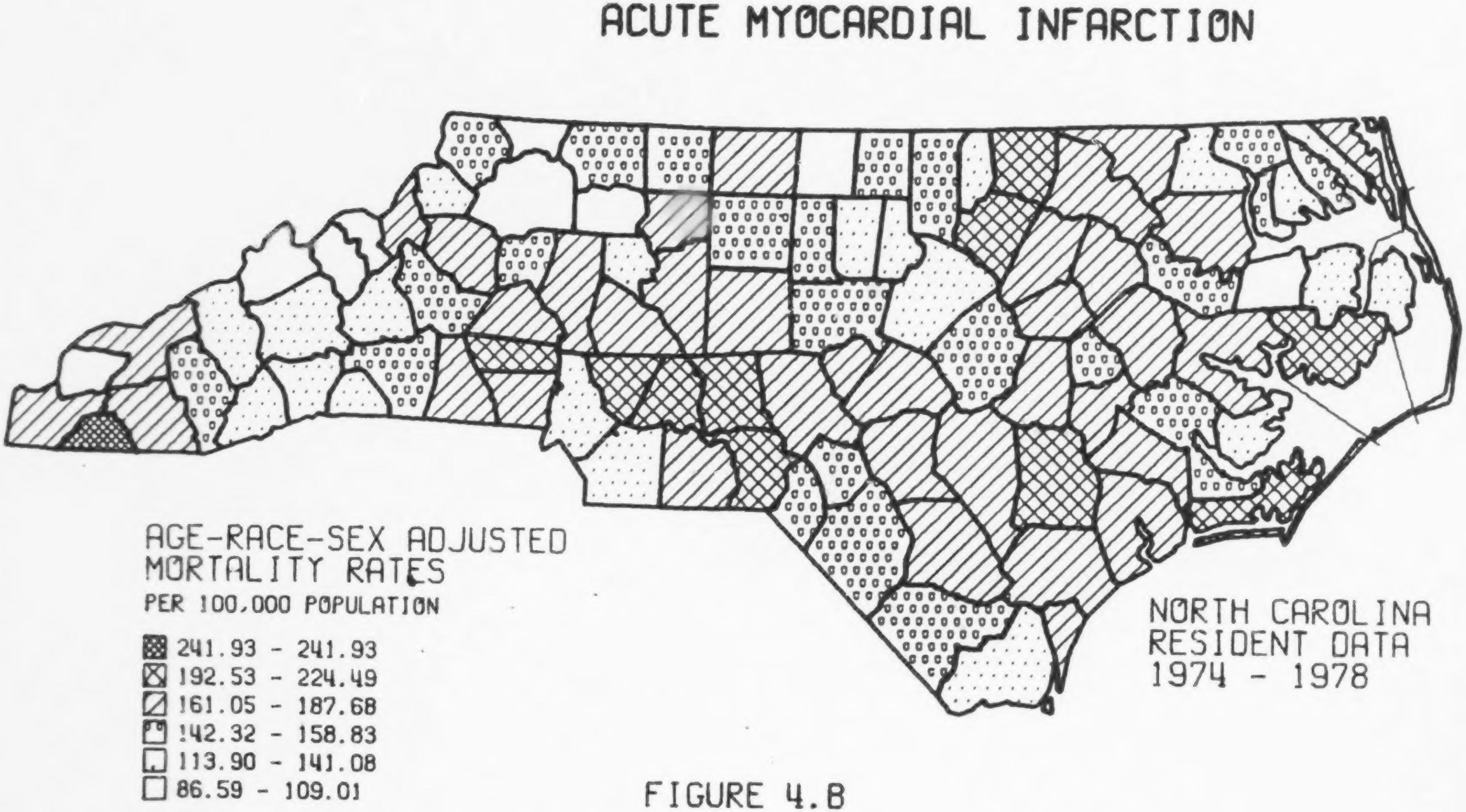
ACUTE MYOCARDIAL INFARCTION
AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 241.93 - 241.93
☒ 192.53 - 224.49
▨ 161.05 - 187.68
▦ 142.32 - 158.83
▫ 113.90 - 141.08
☐ 86.59 - 109.01
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 4.B

TABLE 5

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

OTHER ISCHEMIC HEART DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	7063	126.64	33573	122.53	122.53
REGIONS					
DHR I WESTERN	2483	130.75	11815	126,33	122.04
DHR II N. CENTRAL	1487	124.79	7063	119.74	116.15
DHR III S. CENTRAL	1497	118.02	7211	116,24	133,94
DHR IV EASTERN	1596	131.02	7484	125,91	129.51
HSA I WESTERN	1396	145.94	6346	134.75	115.04
HSA II PIEDMONT	1248	118.63	5943	114.15	114.56
HSA III S. PIEDMONT	1087	115.33	5469	117.79	125.54
HSA IV CAPITAL	1020	133.16	4742	126.74	134.00
HSA V CARDINAL	957	113.10	4742	114.00	129.57
HSA VI EASTERN	1355	133.64	6331	128.19	132.50
COUNTIES					
1 ALAMANCE	119	121.39	617	124.70	121.43
2 ALEXANDER	25	110.61	116	105.15	105.04
3 ALLEGHANY	7	79.45	25	56.91	33.46
4 ANSON	32	135.88	149	125.01	86.12
5 ASHE	34	163.80	173	170.73	119.71
6 AVERY	18	130.34	118	168.76	271.96
7 BEAUFORT	73	182.65	274	141.74	112.72
8 BERTIE	35	164.84	145	138.20	106.46
9 BLADEN	57	194.93	177	122.80	115.49
10 BRUNSWICK	31	94.76	156	95.14	106.54
11 BUNCOMBE	235	152.19	1183	156.03	113.36
12 BURKE	67	105.02	293	90.99	89.41
13 CABARRUS	80	100.37	411	104.38	104.22
14 CALDWELL	78	128.15	415	137.20	180.14
15 CAMDEN	10	174.03	53	185.12	167.68
16 CARTERET	57	154.01	333	184.02	171.47
17 CASWELL	17	86.54	112	114.39	97.10
18 CATAWBA	79	78.29	441	88.63	99.93
19 CHATHAM	39	125.73	194	127.76	109.93
20 CHEROKEE	29	163.85	140	161.50	118.00
21 CHOWAN	19	154.98	68	118.19	103.70
22 CLAY	7	116.47	41	145.88	71.15
23 CLEVELAND	145	185.09	655	168.01	172.68
24 COLUMBUS	53	102.70	298	117.18	112.82
25 CRAVEN	70	103.67	326	96.16	134.40
26 CUMBERLAND	127	54.45	765	66.31	148.78
27 CURRITUCK	23	217.18	84	166.01	151.86
28 DARE	14	131.71	64	131.99	95.94
29 DAVIDSON	129	125.54	494	97.45	101.63
30 DAVIE	27	120.30	136	126.39	109.07
31 DUPLIN	54	134.79	254	127.40	118.54
32 DURHAM	167	114.71	892	125.35	123.72
33 EDGECOMBE	70	126.05	329	120.99	118.38
34 FORSYTH	280	122.05	1224	107.85	113.34
35 FRANKLIN	30	106.70	164	116.69	95.98
36 GASTON	184	117.98	981	125.74	139.55
37 GATES	18	218.02	69	166.33	116.02
38 GRAHAM	17	242.78	62	185.72	134.59
39 GRANVILLE	50	152.21	292	177.82	166.33
40 GREENE	19	127.94	92	122.88	142.06
41 GUILFORD	351	114.91	1781	117.86	123.17

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
OTHER ISCHEMIC HEART DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	83	149.67	406	146.98	121.48
43 HARNETT	71	127.44	420	154.40	163.92
44 HAYWOOD	59	132.17	266	121.25	76.06
45 HENDERSON	104	201.38	439	176.86	128.85
46 HERTFORD	44	175.98	202	167.49	139.57
47 HOKE	21	111.52	86	96.22	108.29
48 HYDE	4	72.84	40	144.50	89.25
49 IREDELL	99	124.81	494	126.47	119.71
50 JACKSON	26	102.35	174	140.47	136.01
51 JOHNSTON	151	226.41	776	236.95	229.85
52 JONES	11	112.19	70	146.08	127.39
53 LEE	46	131.12	198	116.76	117.04
54 LENOIR	76	129.36	354	120.07	125.65
55 LINCOLN	28	71.95	165	87.91	95.08
56 MCDOWELL	47	137.74	194	115.47	101.43
57 MACON	30	156.08	129	140.56	82.83
58 MADISON	37	215.06	141	166.48	78.26
59 MARTIN	54	212.78	262	208.35	196.95
60 MECKLENBURG	483	125.56	2385	126.40	149.20
61 MITCHELL	20	142.12	95	136.23	182.58
62 MONTGOMERY	20	100.64	129	131.64	98.03
63 MOORE	68	152.18	313	145.52	114.81
64 NASH	80	118.74	352	107.30	99.30
65 NEW HANOVER	133	136.08	594	123.45	128.94
66 NORTHAMPTON	44	188.19	204	176.33	129.99
67 ONSLOW	56	47.63	236	43.94	142.30
68 ORANGE	56	80.51	246	71.65	94.69
69 PAMLICO	23	230.80	102	212.77	158.04
70 PASQUOTANK	33	114.70	228	161.21	138.77
71 PENDER	24	108.33	105	99.38	85.45
72 PERQUIMANS	19	216.30	86	202.22	116.99
73 PERSON	59	217.47	223	165.15	154.21
74 PITT	112	137.30	589	149.22	165.42
75 POLK	35	281.46	182	288.60	156.48
76 RANDOLPH	95	112.15	403	97.05	97.66
77 RICHMOND	89	207.95	336	161.87	150.49
78 ROBESON	119	126.76	637	136.96	165.07
79 ROCKINGHAM	106	138.44	536	139.83	125.79
80 ROWAN	108	115.51	504	108.65	88.39
81 RUTHERFORD	93	180.23	397	156.56	118.63
82 SAMPSON	67	136.37	369	152.94	133.74
83 SCOTLAND	45	145.04	208	139.60	160.98
84 STANLY	45	99.59	253	112.74	108.30
85 STOKES	24	79.94	132	91.65	83.85
86 SURRY	74	132.18	361	130.76	116.03
87 SWAIN	13	127.61	52	104.15	76.08
88 TRANSYLVANIA	26	118.41	94	87.78	126.16
89 TYRRELL	9	222.44	36	184.97	111.60
90 UNION	60	91.91	276	87.38	96.14
91 VANCE	79	230.04	335	197.84	171.79
92 WAKE	322	115.61	1316	97.83	125.54
93 WARREN	21	122.84	106	127.00	100.17
94 WASHINGTON	26	172.10	104	142.98	147.68
95 WATAUGA	20	69.66	106	74.14	66.29
96 WAYNE	124	133.36	593	130.70	154.72
97 WILKES	135	242.32	339	124.38	124.49
98 WILSON	95	156.22	376	124.76	127.15
99 YADKIN	26	96.27	147	109.44	103.53
100 YANCEY	10	68.32	76	107.29	62.25

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

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PUBLIC HEALTH STATISTICS BRANCH

OTHER ISCHEMIC HEART DISEASE

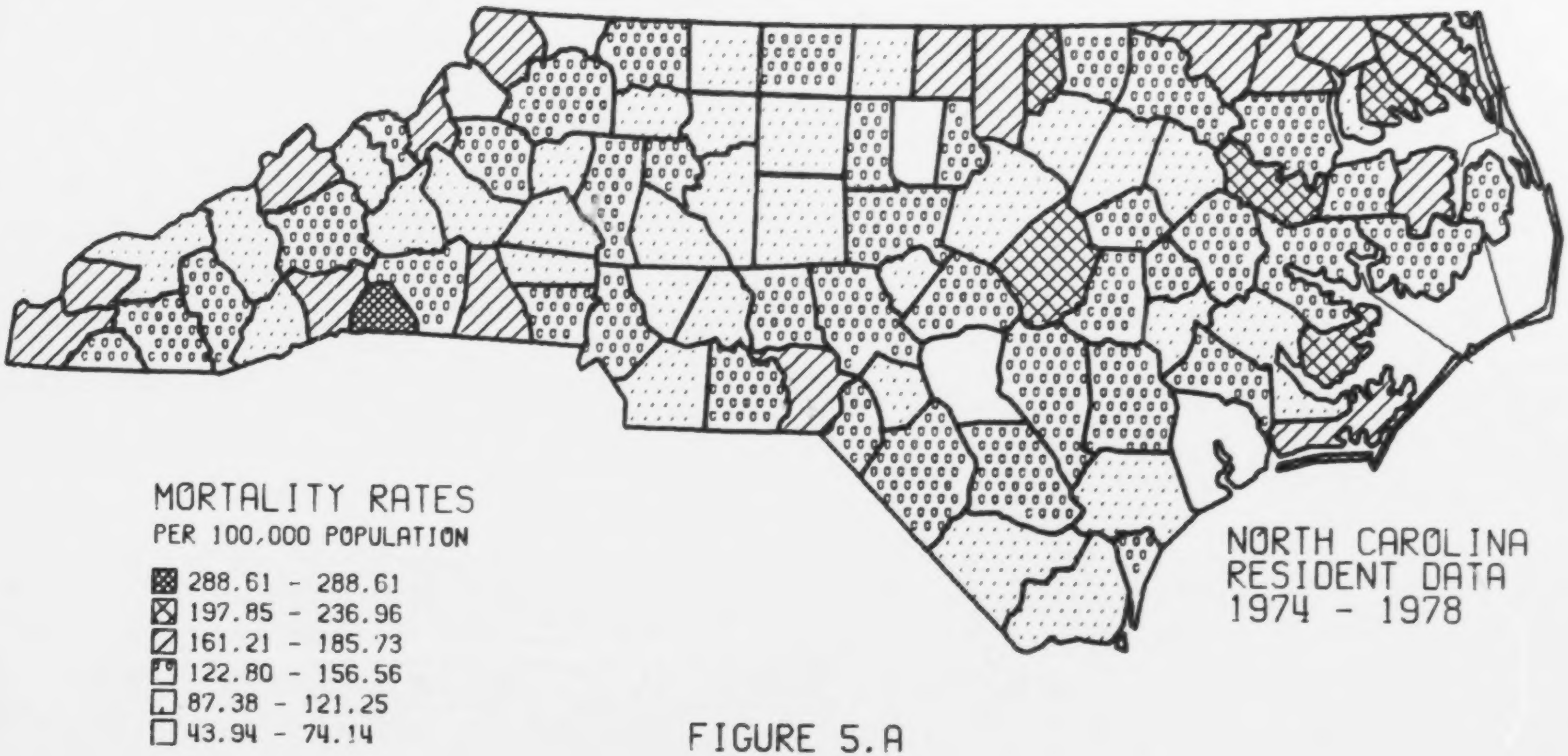

MORTALITY RATES
PER 100,000 POPULATION
288.61 - 288.61
197.85 - 236.96
161.21 - 185.73
122.80 - 156.56
87.38 - 121.25
43.94 - 74.14
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 5.A

OTHER ISCHEMIC HEART DISEASE

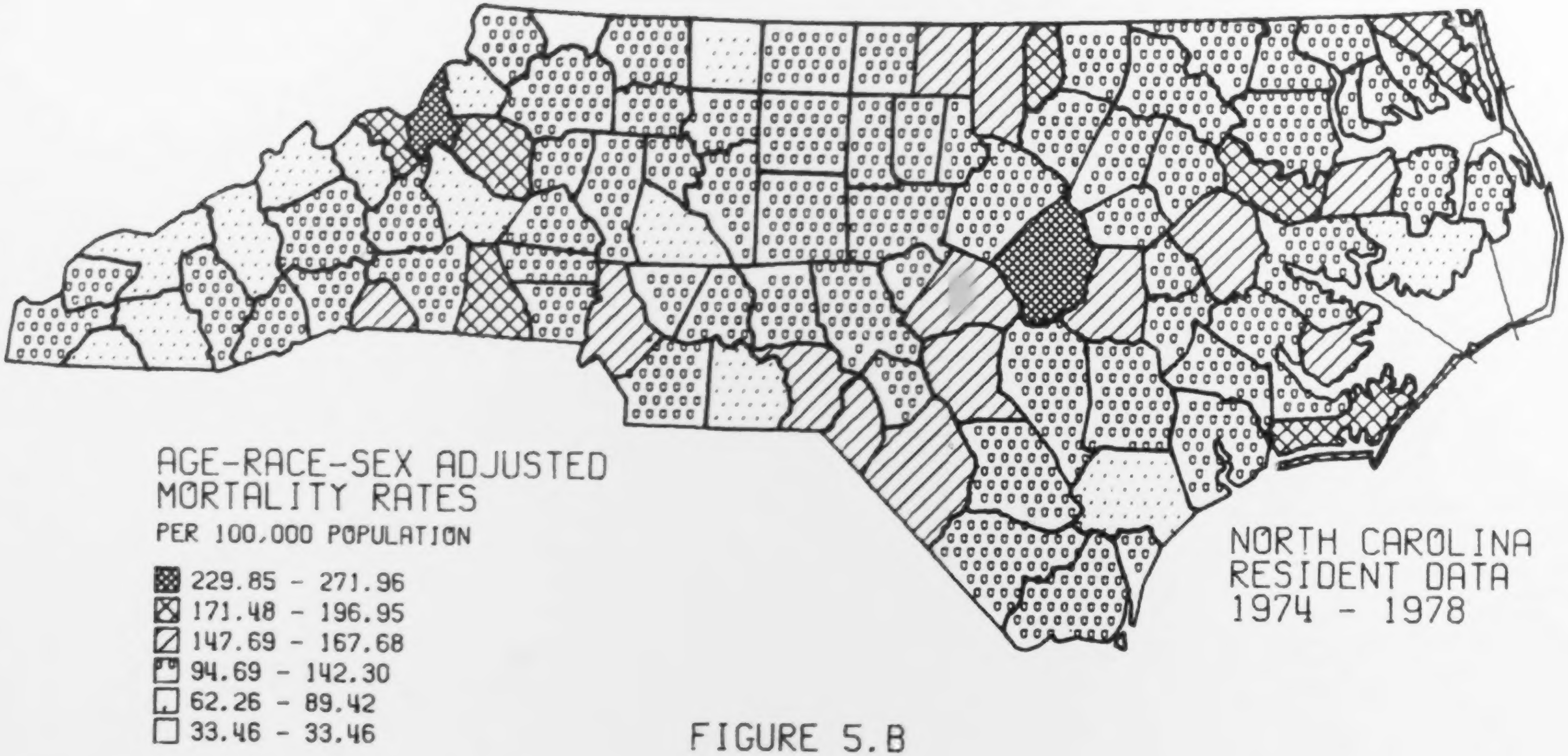

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 229.85 - 271.96
☒ 171.48 - 196.95
▨ 147.69 - 167.68
▦ 94.69 - 142.30
▫ 62.26 - 89.42
☐ 33.46 - 33.46
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 5.B

TABLE 6

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

HYPERTENSION

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	144	2.58	947	3.45	3.45
REGIONS					
DHR I WESTERN	39	2.05	282	3.01	3.35
DHR II N. CENTRAL	24	2.01	166	2.81	2.84
DHR III S. CENTRAL	36	2.83	238	3.83	4.00
DHR IV EASTERN	45	3.69	261	4.39	3.67
HSA I WESTERN	20	2.09	152	3.22	3.42
HSA II PIEDMONT	18	1.71	132	2.53	2.74
HSA III S. PIEDMONT	19	2.01	130	2.79	3.18
HSA IV CAPITAL	19	2.48	111	2.96	2.80
HSA V CARDINAL	26	3.07	194	4.66	4.51
HSA VI EASTERN	42	4.14	228	4.61	3.91
COUNTIES					
1 ALAMANCE	4	4.08	24	4.85	4.87
2 ALEXANDER	1	4.42	5	4.53	22.07
3 ALLEGHANY	0	0.00	1	2.27	1.15
4 ANSON	3	12.73	21	17.61	8.74
5 ASHE	0	0.00	4	3.94	2.12
6 AVERY	0	0.00	2	2.86	12.41
7 BEAUFORT	4	10.00	14	7.24	5.13
8 BERTIE	0	0.00	5	4.76	3.42
9 BLADEN	0	0.00	7	4.85	3.23
10 BRUNSWICK	1	3.05	3	1.82	1.83
11 BUNCOMBE	3	1.94	33	4.35	3.03
12 BURKE	1	1.56	9	2.79	3.79
13 CABARRUS	1	1.25	6	1.52	1.58
14 CALDWELL	4	6.57	13	4.29	6.85
15 CAMDEN	0	0.00	0	0.00	0.00
16 CARTERET	0	0.00	3	1.65	2.92
17 CASWELL	0	0.00	2	2.04	1.22
18 CATAWBA	1	0.99	11	2.21	3.89
19 CHATHAM	3	9.67	13	8.56	7.64
20 CHEROKEE	0	0.00	1	1.15	0.74
21 CHOWAN	1	8.15	5	8.69	4.11
22 CLAY	0	0.00	1	3.55	0.91
23 CLEVELAND	1	1.27	12	3.07	3.35
24 COLUMBUS	1	1.93	6	2.35	1.90
25 CRAVEN	2	2.96	11	3.24	3.02
26 CUMBERLAND	6	2.57	41	3.55	7.13
27 CURRITUCK	1	9.44	2	3.95	4.46
28 DARE	1	9.40	2	4.12	2.45
29 DAVIDSON	1	0.97	8	1.57	1.63
30 DAVIE	0	0.00	6	5.57	8.27
31 DUPLIN	0	0.00	10	5.01	3.74
32 DURHAM	3	2.06	14	1.96	2.15
33 EDGECOMBE	0	0.00	14	5.14	3.16
34 FORSYTH	4	1.74	25	2.20	2.11
35 FRANKLIN	1	3.55	4	2.84	1.32
36 GASTON	0	0.00	14	1.79	2.33
37 GATES	0	0.00	2	4.82	4.91
38 GRAHAM	1	14.28	3	8.98	6.69
39 GRANVILLE	1	3.04	7	4.26	3.25
40 GREENE	0	0.00	5	6.67	4.91
41 GUILFORD	6	1.96	42	2.77	2.96

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

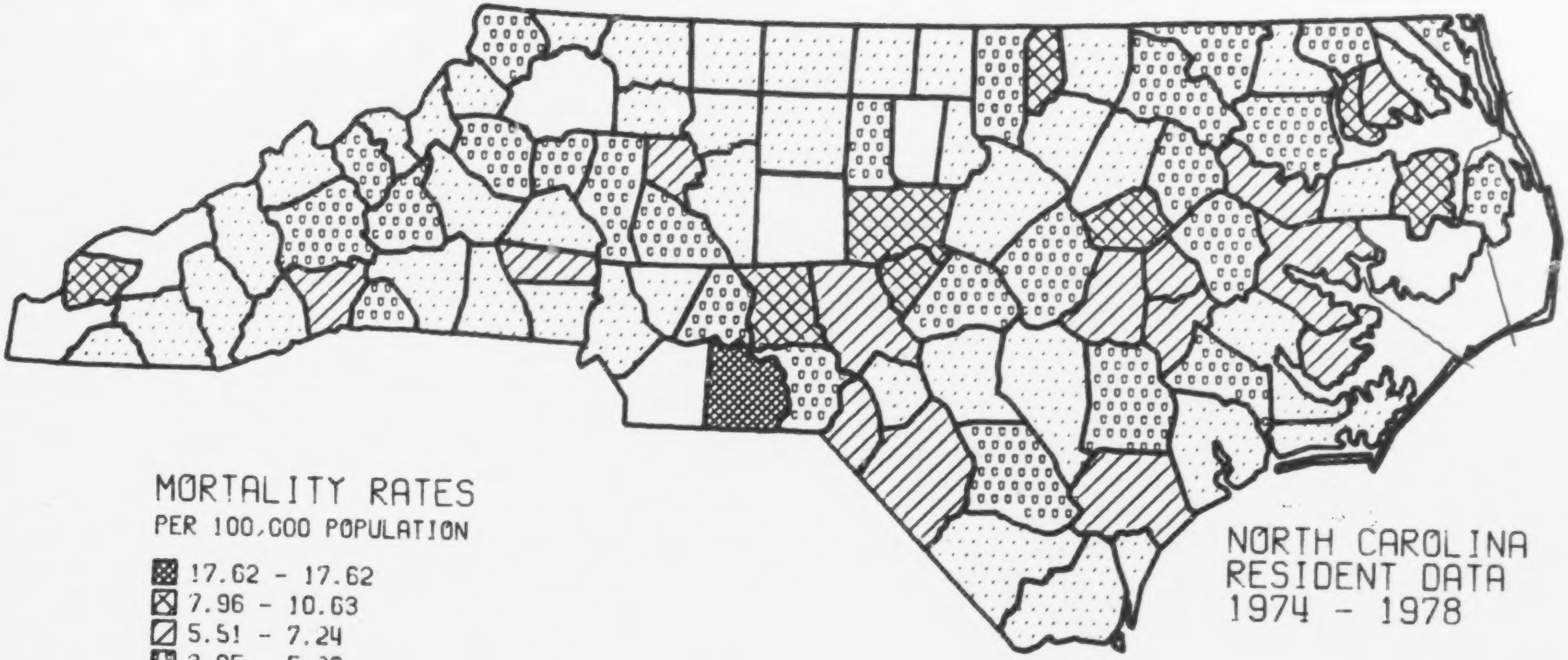
MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
HYPERTENSION CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	3	5.40	14	5.06	2.95
43 HARNETT	2	3.59	11	4.04	4.25
44 HAYWOOD	0	0.00	4	1.82	1.13
45 HENDERSON	3	5.80	15	6.04	5.00
46 HERTFORD	2	7.99	4	3.31	1.87
47 HOKE	0	0.00	3	3.35	3.22
48 HYDE	0	0.00	0	0.00	0.00
49 IREDELL	4	5.04	20	5.12	5.81
50 JACKSON	1	3.93	3	2.42	2.15
51 JOHNSTON	2	2.99	13	3.96	3.88
52 JONES	1	10.19	2	4.17	4.43
53 LEE	2	5.70	14	8.25	8.02
54 LENOIR	1	1.70	18	6.10	4.87
55 LINCOLN	3	7.70	12	6.39	9.44
56 MCDOWELL	0	0.00	8	4.76	4.82
57 MACON	0	0.00	2	2.17	1.30
58 MADISON	0	0.00	2	2.36	1.22
59 MARTIN	2	7.88	8	6.36	6.08
60 MECKLENBURG	7	1.81	43	2.27	2.58
61 MITCHELL	0	0.00	1	1.43	0.60
62 MONTGOMERY	0	0.00	8	8.16	6.83
63 MOORE	2	4.47	15	6.97	5.75
64 NASH	2	2.96	12	3.65	3.00
65 NEW HANOVER	1	1.02	18	3.74	3.34
66 NORTHAMPTON	2	8.55	5	4.32	3.27
67 ONSLOW	2	1.70	8	1.48	3.78
68 ORANGE	0	0.00	1	0.29	0.40
69 PAMLICO	1	10.03	3	6.25	4.01
70 PASQUOTANK	2	6.95	5	3.53	2.83
71 PENDER	0	0.00	6	5.67	2.81
72 PERQUIMANS	0	0.00	3	7.05	3.61
73 PERSON	0	0.00	2	1.48	0.98
74 PITT	4	4.90	20	5.06	4.39
75 POLK	0	0.00	3	4.75	2.35
76 RANDOLPH	0	0.00	2	0.48	0.40
77 RICHMOND	1	2.33	11	5.29	4.55
78 ROBESON	7	7.45	28	6.02	5.85
79 ROCKINGHAM	0	0.00	12	3.13	2.93
80 ROWAN	4	4.27	21	4.52	4.36
81 RUTHERFORD	0	0.00	8	3.15	3.00
82 SAMPSON	2	4.07	6	2.48	2.12
83 SCOTLAND	0	0.00	10	6.71	7.15
84 STANLY	0	0.00	11	4.90	4.69
85 STOKES	2	6.66	3	2.08	3.13
86 SURRY	1	1.78	6	2.17	3.70
87 SWAIN	0	0.00	0	0.00	0.00
88 TRANSYLVANIA	0	0.00	4	3.73	3.26
89 TYRRELL	0	0.00	2	10.27	5.34
90 UNION	0	0.00	3	0.94	1.17
91 VANCE	4	11.64	18	10.63	5.99
92 WAKE	3	1.07	22	1.63	1.83
93 WARREN	0	0.00	3	3.59	1.97
94 WASHINGTON	0	0.00	2	2.74	2.11
95 WATAUGA	2	6.96	3	2.09	1.85
96 WAYNE	4	4.30	25	5.51	5.67
97 WILKES	1	1.79	1	0.36	0.30
98 WILSON	7	11.51	24	7.96	6.72
99 YADKIN	0	0.00	2	1.48	0.95
100 YANCEY	1	6.83	3	4.23	2.35

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

HYPERTENSION



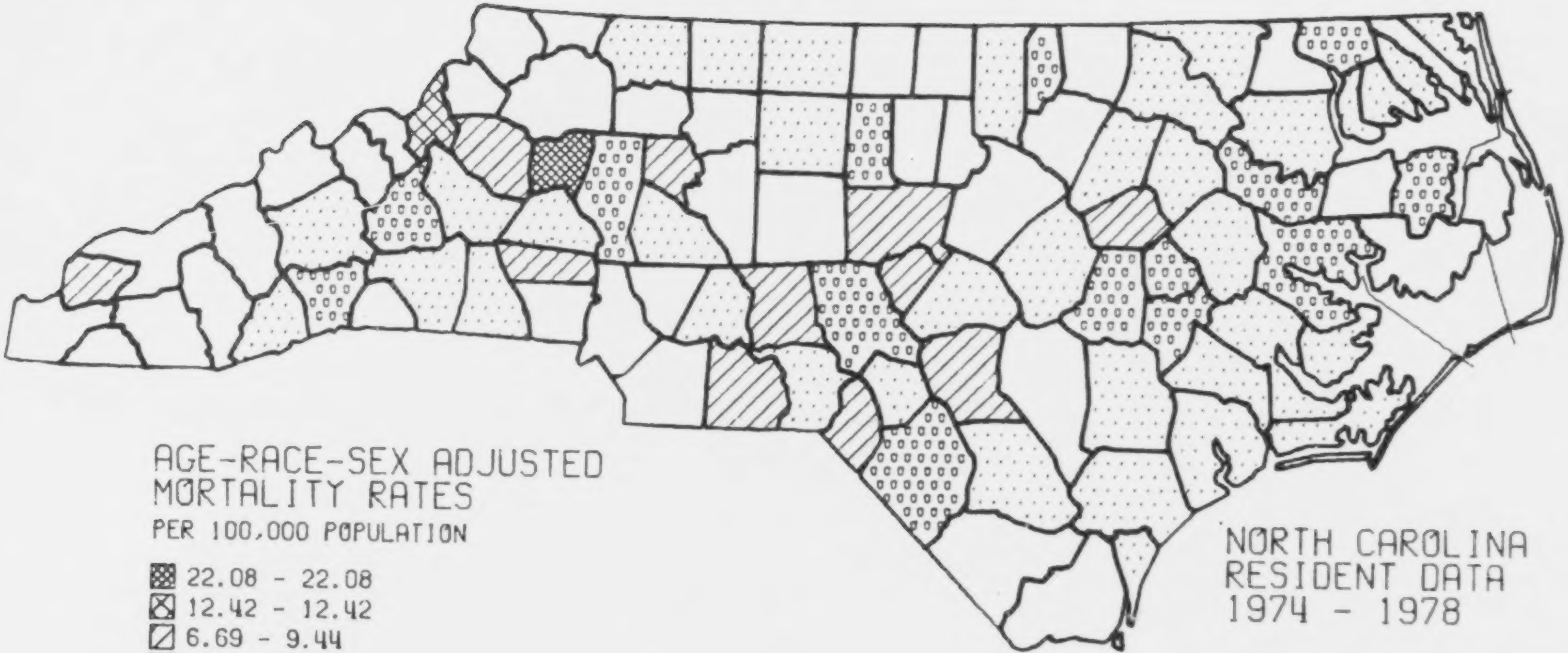
MORTALITY RATES
PER 100,000 POPULATION

- ▩ 17.62 - 17.62
- ☒ 7.96 - 10.63
- ▨ 5.51 - 7.24
- ▦ 3.95 - 5.30
- ▤ 1.43 - 3.74
- ☐ 0.00 - 1.15

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 6.A

HYPERTENSION



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- ▩ 22.08 - 22.08
- ☒ 12.42 - 12.42
- ▨ 6.69 - 9.44
- ░ 4.83 - 6.08
- ⬚ 2.81 - 4.69
- ☐ 0.00 - 2.58

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 6.B

TABLE 7

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

CEREBROVASCULAR DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	4693	84.14	25571	93,33	93,33
REGIONS					
DHR I WESTERN	1632	85.93	8590	91,84	88,48
DHR II N. CENTRAL	1018	85.43	5511	93,42	90,83
DHR III S. CENTRAL	968	76.31	5290	85,27	96,69
DHR IV EASTERN	1075	88.25	6180	103,97	103,16
HSA I WESTERN	841	87.92	4469	94,89	84,12
HSA II PIEDMONT	882	83.84	4789	91,99	91,89
HSA III S. PIEDMONT	791	83,92	4121	88,75	93,64
HSA IV CAPITAL	589	76,89	3087	82,50	85,05
HSA V CARDINAL	691	81.66	3937	94.65	105.04
HSA VI EASTERN	899	88.67	5168	104.64	104.18
COUNTIES					
1 ALAMANCE	76	77.53	462	93.38	93.80
2 ALEXANDER	15	66.36	75	67,98	83.14
3 ALLEGHANY	18	204.31	92	209,44	123.61
4 ANSON	30	127.38	157	131.72	84.08
5 ASHE	17	81.90	98	96.71	76.89
6 AVERY	13	94.14	61	87.24	76.17
7 BEAUFORT	48	120.10	283	146.39	111.81
8 BERTIE	36	169.55	191	182,04	116.76
9 BLADEN	25	85.49	179	124,18	103.58
10 BRUNSWICK	22	67.25	104	63,42	67.02
11 BUNCOMBE	154	99.73	927	122,27	92.36
12 BURKE	53	83.07	239	74,22	76,22
13 CABARRUS	94	117.94	459	116.57	114.66
14 CALDWELL	39	64.07	212	70,08	87,95
15 CAMDEN	6	104.42	39	136,22	98.74
16 CARTERET	19	51.33	127	70.18	71.35
17 CASWELL	24	122,18	127	129,71	113,69
18 CATAWBA	78	77.30	398	79,99	103,04
19 CHATHAM	36	116.06	161	106,03	90.56
20 CHEROKEE	17	96.05	89	102,66	82.55
21 CHOWAN	15	122,35	70	121,67	99.52
22 CLAY	3	49,91	22	78,27	39,13
23 CLEVELAND	68	86.80	310	79,51	81.70
24 COLUMBUS	51	98.82	324	127.40	126.26
25 CRAVEN	41	60.72	283	83,47	110.76
26 CUMBERLAND	96	41.15	573	49,67	109,97
27 CURRITUCK	7	66.10	47	92,89	81.60
28 DARE	10	94.08	42	86,62	91.96
29 DAVIDSON	68	66.17	401	79,10	85.15
30 DAVIE	18	80.20	95	88,28	78,82
31 DUPLIN	33	82.37	229	114,86	104,97
32 DURHAM	121	83.11	586	82,35	80.32
33 EDGECOMBE	62	111.64	376	138,27	133.25
34 FORSYTH	190	82.82	956	84.23	87.61
35 FRANKLIN	31	110.26	157	111.71	86.70
36 GASTON	123	78.86	645	82,67	89.26
37 GATES	12	145,34	59	142.23	97.70
38 GRAHAM	1	14.28	30	89.86	139,64
39 GRANVILLE	25	76.10	115	70.03	61.24
40 GREENE	13	87.54	64	85.48	92.77
41 GUILFORD	243	79.55	1365	90,33	91.87

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
CEREBROVASCULAR DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	68	122.62	381	137,93	110.85
43 HARNETT	71	127.44	260	95,58	100.68
44 HAYWOOD	46	103.04	269	122,62	93,86
45 HENDERSON	50	96.81	291	117,23	82,60
46 HERTFORD	22	87,99	122	101,16	67,23
47 HOKE	19	100.90	87	97,34	109.66
48 HYDE	14	254.96	45	162,56	94.19
49 IREDELL	68	85.73	371	94,98	86.77
50 JACKSON	13	51.17	61	49,24	48.10
51 JOHNSTON	63	94.46	313	95,57	93.13
52 JONES	9	91.79	52	108,51	92.18
53 LEE	27	76.96	165	97,30	96.18
54 LENOIR	68	115.74	380	128,89	127.44
55 LINCOLN	41	105.36	207	110,28	121.14
56 MCDOWELL	34	99.64	157	93,45	80,58
57 MACON	9	46.82	63	68,64	52.26
58 MADISON	14	81.37	108	127,51	90,69
59 MARTIN	40	157.61	145	115,30	108,30
60 MECKLENBURG	246	63.95	1332	70,59	82,69
61 MITCHELL	10	71.06	82	117,59	70,79
62 MONTGOMERY	22	110.71	110	112,25	86,83
63 MOORE	62	138.75	304	141,34	113.07
64 NASH	67	99.44	406	123,77	119.22
65 NEW HANOVER	85	86.97	454	94,35	94.35
66 NORTHAMPTON	25	106.92	134	115,82	76.23
67 ONSLOW	30	25.52	168	31,27	104.21
68 ORANGE	35	50.31	188	54,76	70.25
69 PAMLICO	16	160.56	56	116,81	83,23
70 PASQUOTANK	15	52.13	126	89,09	73.67
71 PENDER	18	81.25	130	123.04	94.44
72 PERQUIMANS	3	34.15	56	131,68	73,69
73 PERSON	26	95.83	139	102,94	91.58
74 PITT	53	64.97	363	91,96	102.65
75 POLK	19	152.79	90	142,71	76.48
76 RANDOLPH	82	96.80	453	109,09	117.57
77 RICHMOND	45	105.14	310	149,34	138,89
78 ROBESON	83	88.41	550	118,26	127.41
79 ROCKINGHAM	99	129.30	467	121,83	111.13
80 ROWAN	94	100.54	510	109,94	90.32
81 RUTHERFORD	61	118.22	287	113,18	94.39
82 SAMPSON	48	97.70	254	105,27	94.81
83 SCOTLAND	14	45.12	141	94,63	107.32
84 STANLY	51	112.86	284	126,56	118.24
85 STOKES	17	56.62	99	68,74	71.53
86 SURRY	42	75.02	235	85,12	72.21
87 SWAIN	8	78.53	36	72,10	51.71
88 TRANSYLVANIA	18	81.97	84	78,44	101.67
89 TYRRELL	5	123.57	29	149.00	83.45
90 UNION	74	113.36	313	99,09	111.61
91 VANCE	37	107.74	209	123,43	87.64
92 WAKE	171	61.39	952	70,77	88,87
93 WARREN	17	99.44	102	122,21	70,88
94 WASHINGTON	7	46.33	53	72,86	72.28
95 WATAUGA	19	66.17	96	67,14	68.17
96 WAYNE	95	102.17	465	102,48	122.84
97 WILKES	46	82.57	199	73,01	70.59
98 WILSON	60	98.66	377	125,09	125.11
99 YADKIN	23	85.16	129	96,04	90,87
100 YANCEY	18	122.97	93	131,28	136.00

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CEREBROVASCULAR DISEASE

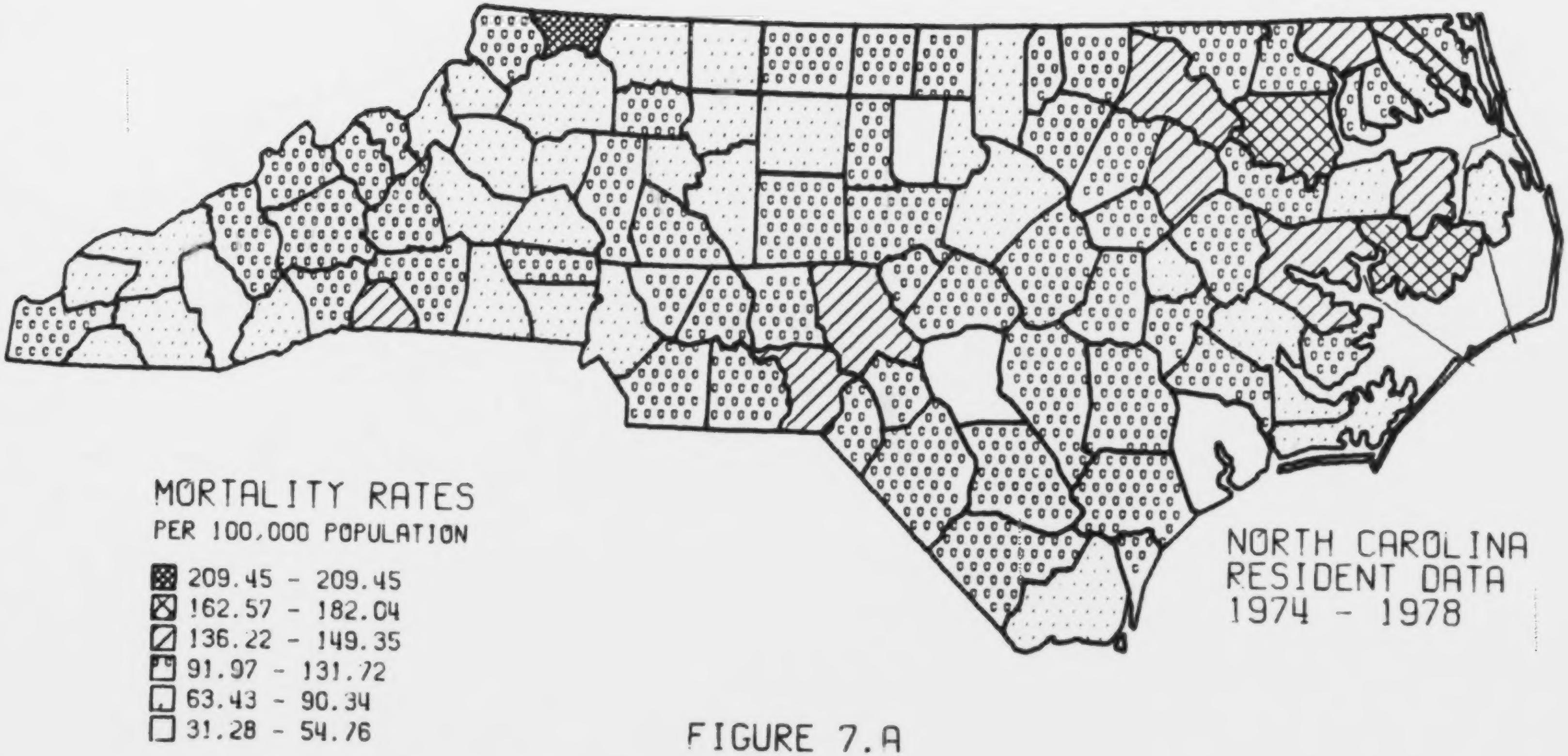

MORTALITY RATES
PER 100,000 POPULATION
▩ 209.45 - 209.45
☒ 162.57 - 182.04
▨ 136.22 - 149.35
▤ 91.97 - 131.72
▥ 63.43 - 90.34
☐ 31.28 - 54.76
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 7.A

CEREBROVASCULAR DISEASE

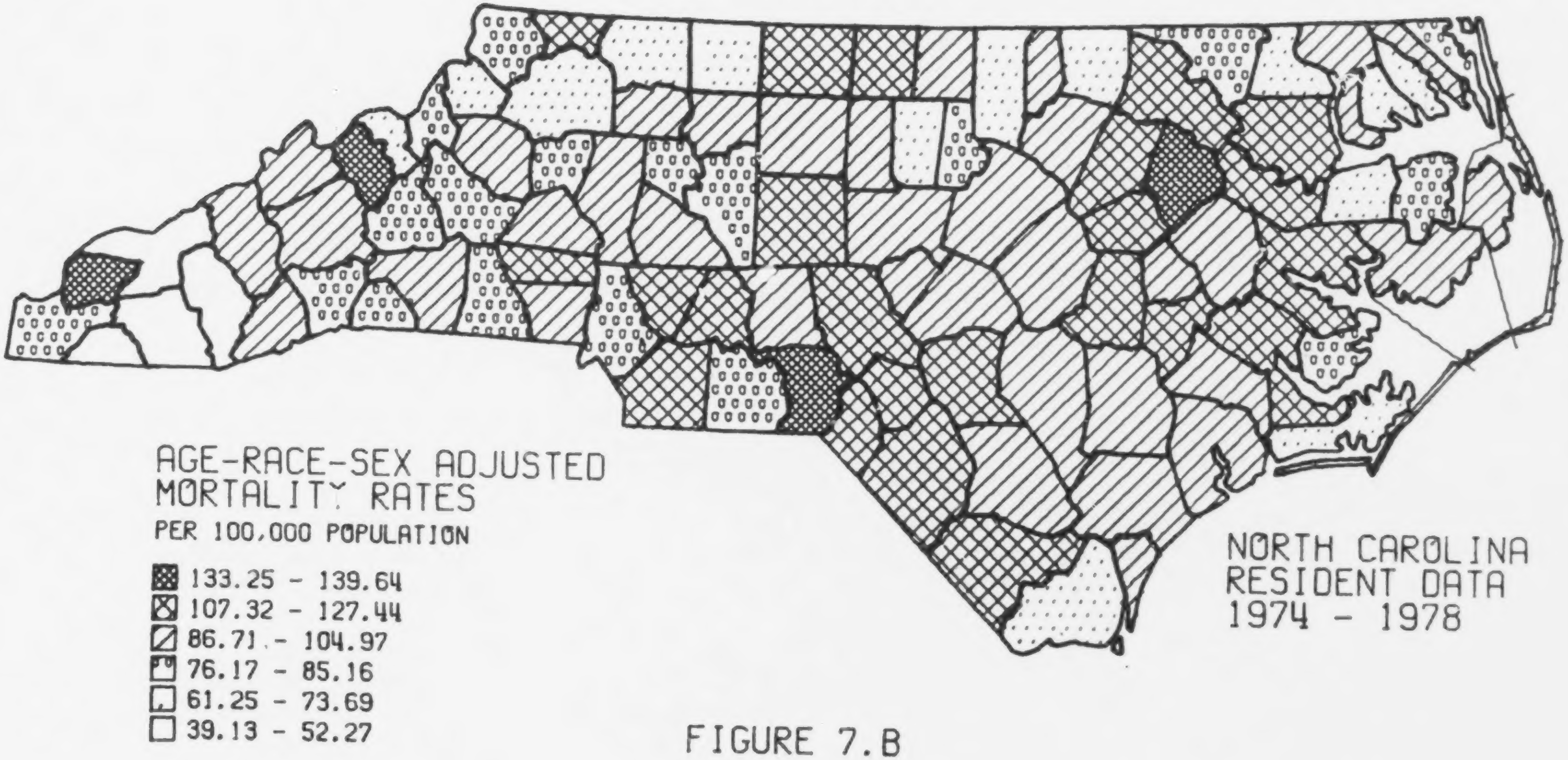

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 133.25 - 139.64
▦ 107.32 - 127.44
▨ 86.71 - 104.97
▤ 76.17 - 85.16
▫ 61.25 - 73.69
☐ 39.13 - 52.27
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 7.B

TABLE 8

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

ARTERIOSCLEROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	614	11.00	3038	11.08	11.08
REGIONS					
DHR I WESTERN	237	12.47	1126	12.03	11.42
DHR II N. CENTRAL	128	10.74	573	9.71	9.34
DHR III S. CENTRAL	149	11.74	719	11.59	13.44
DHR IV EASTERN	100	8.20	620	10.43	10.89
HSA I WESTERN	111	11.60	636	13.50	11.29
HSA II PIEDMONT	118	11.21	528	10.14	9.99
HSA III S. PIEDMONT	126	13.36	490	10.55	11.34
HSA IV CAPITAL	63	8.22	343	9.16	9.93
HSA V CARDINAL	114	13.47	550	13.22	14.90
HSA VI EASTERN	82	8.08	491	9.94	10.54
COUNTIES					
1 ALAMANCE	21	21.42	72	14.55	14.63
2 ALEXANDER	1	4.42	11	9.97	13.73
3 ALLEGHANY	0	0.00	1	2.27	0.83
4 ANSON	2	8.49	10	8.39	3.98
5 ASHE	6	28.90	33	32.56	15.93
6 AVERY	2	14.48	6	8.58	5.79
7 BEAUFORT	2	5.00	27	13.96	12.09
8 BERTIE	0	0.00	3	2.85	2.56
9 BLADEN	2	6.83	21	14.56	10.74
10 BRUNSWICK	1	3.05	18	10.97	10.98
11 BUNCOMBE	33	21.37	155	20.44	13.91
12 BURKE	10	15.67	40	12.42	10.77
13 CABARRUS	9	11.29	19	4.82	4.75
14 CALDWELL	2	3.28	31	10.24	14.12
15 CAMDEN	0	0.00	6	20.95	17.85
16 CARTERET	1	2.70	7	3.86	3.14
17 CASWELL	3	15.27	13	13.27	12.02
18 CATAWBA	11	10.90	58	11.65	13.35
19 CHATHAM	2	6.44	19	12.51	11.03
20 CHEROKEE	3	16.95	14	16.15	8.13
21 CHOWAN	1	8.15	13	22.59	20.12
22 CLAY	1	16.63	2	7.11	4.01
23 CLEVELAND	7	8.93	41	10.51	10.65
24 COLUMBUS	4	7.75	24	9.43	8.45
25 CRAVEN	10	14.81	32	9.43	15.45
26 CUMBERLAND	15	6.43	60	5.20	12.65
27 CURRITUCK	0	0.00	3	5.92	4.70
28 DARE	0	0.00	5	10.31	5.96
29 DAVIDSON	11	10.70	39	7.69	8.06
30 DAVIE	0	0.00	5	4.64	3.76
31 DUPLIN	3	7.48	16	8.02	7.85
32 DURHAM	13	8.93	87	12.22	13.23
33 EDGECOMBE	4	7.20	35	12.87	12.42
34 FORSYTH	12	5.23	67	5.90	6.33
35 FRANKLIN	2	7.11	6	4.26	3.80
36 GASTON	19	12.18	88	11.28	13.19
37 GATES	1	12.11	4	9.64	6.62
38 GRAHAM	1	14.28	5	14.97	8.65
39 GRANVILLE	1	3.04	6	3.65	4.65
40 GREENE	0	0.00	8	10.68	13.91
41 GUILFORD	36	11.78	149	9.86	10.18

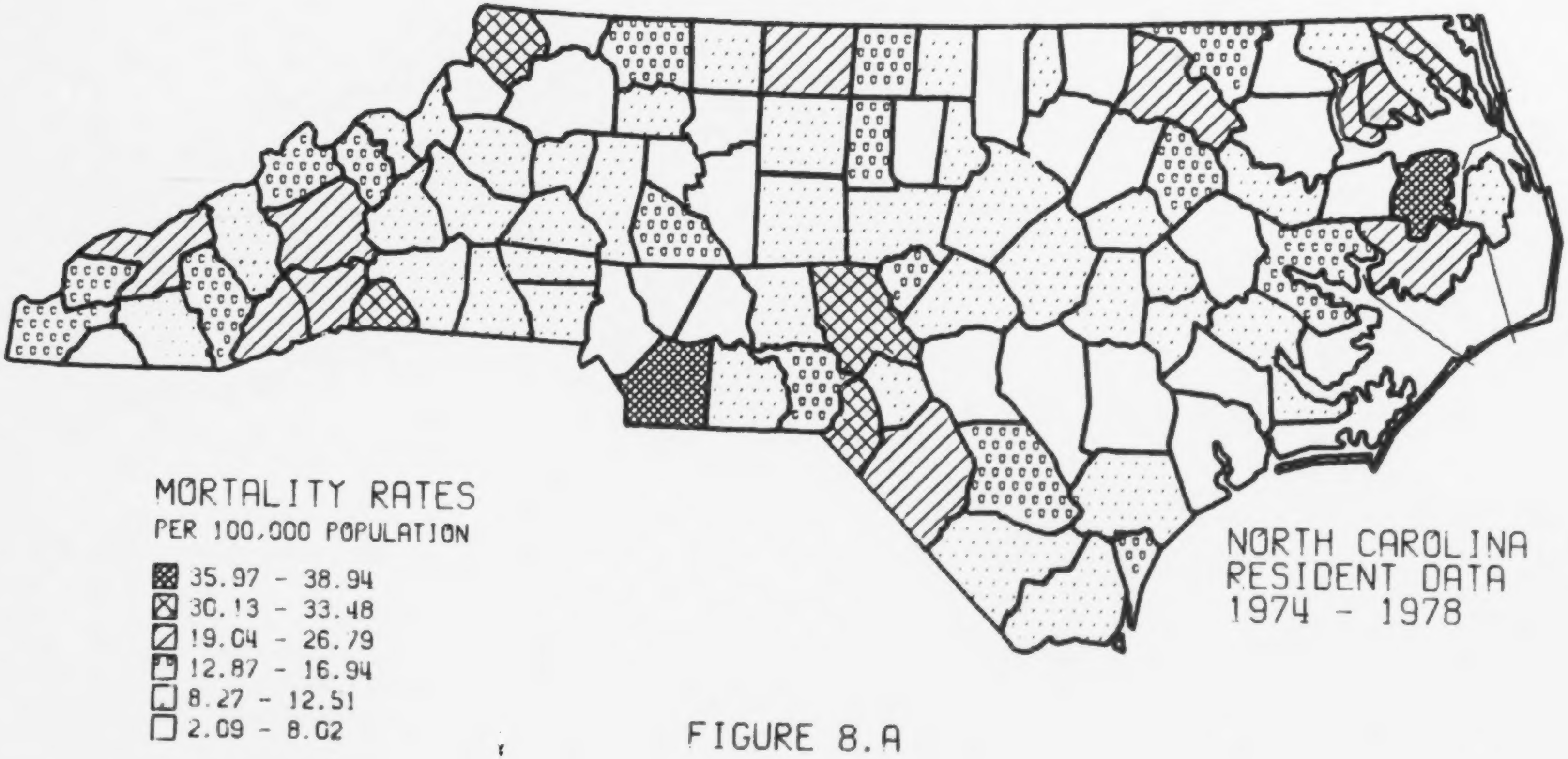
*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
ARTERIOSCLEROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	4	7.21	74	26.79	20.02
43 HARNETT	6	10.77	26	9.55	9.99
44 HAYWOOD	4	8.96	20	9.11	5.13
45 HENDERSON	5	9.68	52	20.94	13.32
46 HERTFORD	0	0.00	7	5.80	3.55
47 HOKE	3	15.93	8	8.95	8.56
48 HYDE	0	0.00	7	25.28	12.85
49 IREDELL	12	15.12	34	8.70	8.55
50 JACKSON	4	15.74	16	12.91	11.13
51 JOHNSTON	9	13.49	30	9.16	9.41
52 JONES	0	0.00	1	2.08	2.71
53 LEE	5	14.25	23	13.56	13.29
54 LENOIR	8	13.61	33	11.19	12.93
55 LINCOLN	3	7.70	17	9.05	10.90
56 MCDOWELL	2	5.86	16	9.52	27.66
57 MACON	2	10.40	10	10.89	5.29
58 MADISON	4	23.25	11	12.98	33.48
59 MARTIN	4	15.76	12	9.54	12.78
60 MECKLENBURG	32	8.31	134	7.10	8.53
61 MITCHELL	0	0.00	7	10.03	60.27
62 MONTGOMERY	2	10.06	11	11.22	8.18
63 MOORE	22	49.23	72	33.47	25.97
64 NASH	3	4.45	17	5.18	4.78
65 NEW HANOVER	12	12.27	76	15.79	16.19
66 NORTHAMPTON	1	4.27	18	15.55	10.28
67 ONSLOW	6	5.10	18	3.35	14.81
68 ORANGE	3	4.31	20	5.82	7.45
69 PAMLICO	0	0.00	3	6.25	4.72
70 PASQUOTANK	0	0.00	17	12.02	9.81
71 PENDER	1	4.51	11	10.41	8.49
72 PERQUIMANS	3	34.15	10	23.51	14.04
73 PERSON	1	3.68	13	9.62	9.84
74 PITT	9	11.03	29	7.34	8.55
75 POLK	4	32.16	19	30.12	15.36
76 RANDOLPH	5	5.90	43	10.35	10.63
77 RICHMOND	10	23.36	29	13.97	13.74
78 ROBESON	19	20.23	123	26.44	32.20
79 ROCKINGHAM	18	23.51	73	19.04	17.12
80 ROWAN	18	19.25	61	13.15	9.72
81 RUTHERFORD	3	5.81	23	9.07	7.87
82 SAMPSON	2	4.07	14	5.80	5.35
83 SCOTLAND	13	41.90	47	31.54	43.42
84 STANLY	2	4.42	14	6.23	6.62
85 STOKES	2	6.66	15	10.41	10.05
86 SURRY	9	16.07	36	13.03	11.71
87 SWAIN	2	19.63	13	26.03	16.90
88 TRANSYLVANIA	2	9.10	22	20.54	16.30
89 TYRRELL	0	0.00	7	35.96	27.82
90 UNION	31	47.49	123	38.94	44.51
91 VANCE	3	8.73	14	8.26	6.72
92 WAKE	21	7.54	119	8.84	11.49
93 WARREN	3	17.54	6	7.18	6.79
94 WASHINGTON	2	13.23	5	6.87	5.80
95 WATAUGA	0	0.00	8	5.59	12.33
96 WAYNE	16	17.20	45	9.91	10.80
97 WILKES	1	1.79	10	3.66	4.41
98 WILSON	4	6.57	29	9.62	10.26
99 YADKIN	1	3.70	16	11.91	8.04
100 YANCEY	1	6.83	12	16.94	18.47

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

ARTERIOSCLEROSIS


MORTALITY RATES
PER 100,000 POPULATION
▩ 35.97 - 38.94
☒ 30.13 - 33.48
▨ 19.04 - 26.79
▦ 12.87 - 16.94
▤ 8.27 - 12.51
☐ 2.09 - 8.02

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 8.A

ARTERIOSCLEROSIS

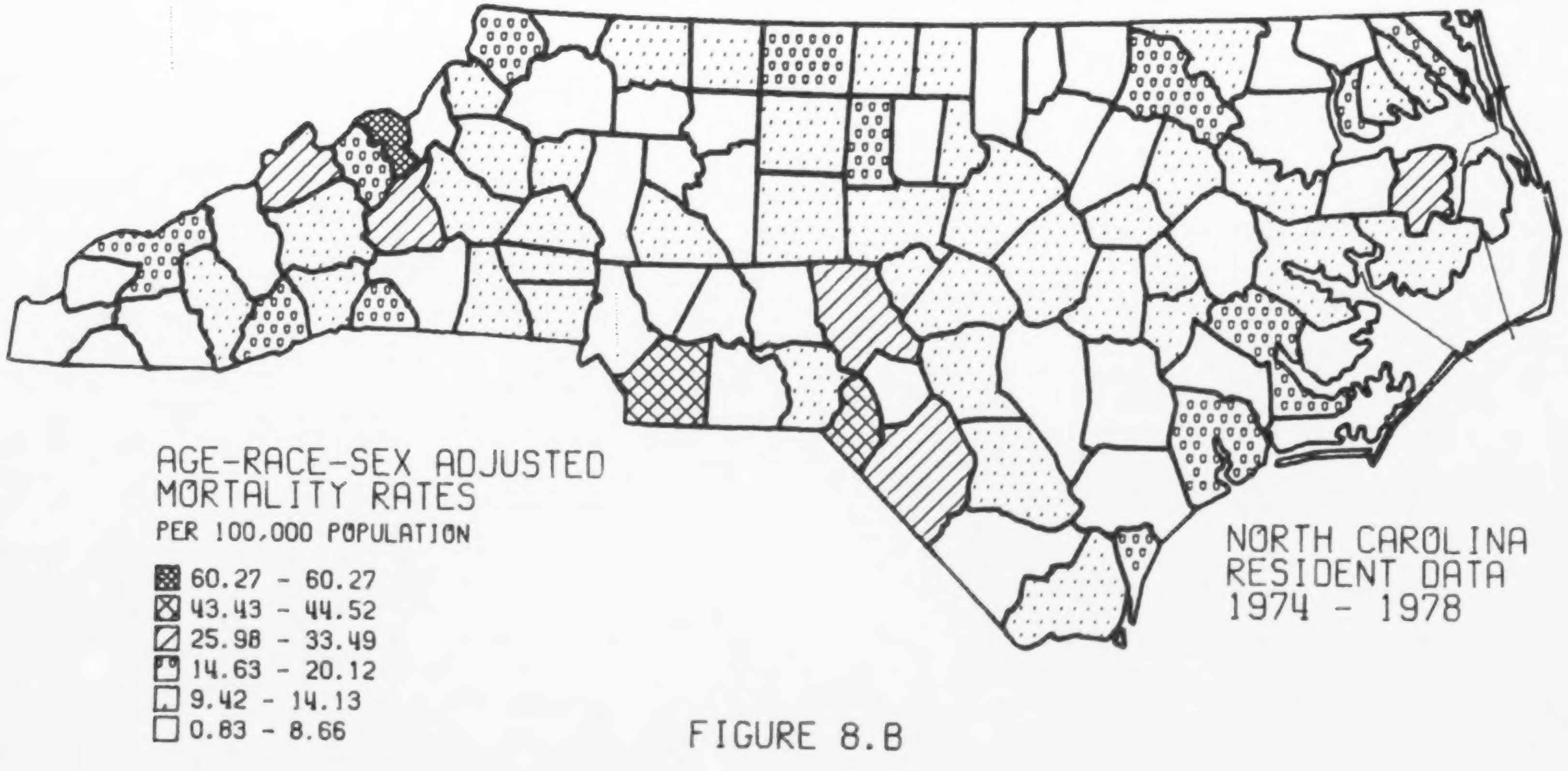

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 60.27 - 60.27
☒ 43.43 - 44.52
▨ 25.98 - 33.49
14.63 - 20.12
9.42 - 14.13
☐ 0.83 - 8.66
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 8.B

TABLE 9

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

TOTAL CANCER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	8912	159.79	41160	150.23	150.23
REGIONS					
DHR I WESTERN	3127	164.66	14450	154.50	148.24
DHR II N. CENTRAL	1934	162.31	9118	154.58	148.96
DHR III S. CENTRAL	1836	144.75	8354	134.67	153.17
DHR IV EASTERN	2015	165.42	9238	155.42	158.53
HSA I WESTERN	1635	170.92	7515	159.57	143.92
HSA II PIEDMONT	1693	160.93	7965	152.99	150.76
HSA III S. PIEDMONT	1492	158.30	6935	149.36	153.01
HSA IV CAPITAL	1153	150.53	5495	146.87	154.27
HSA V CARDINAL	1273	150.44	5569	133.89	149.60
HSA VI EASTERN	1666	164.32	7681	155.52	159.84
COUNTIES					
1 ALAMANCE	185	188.72	870	175.84	164.23
2 ALEXANDER	32	141.58	159	144.13	167.66
3 ALLEGHANY	15	170.26	95	216.27	132.50
4 ANSON	38	161.35	186	156.05	115.97
5 ASHE	34	163.80	179	176.65	123.39
6 AVERY	16	115.86	92	131.57	96.56
7 BEAUFORT	74	185.15	377	195.02	159.59
8 BERTIE	43	202.52	195	185.85	143.22
9 BLADEN	54	184.67	208	144.30	133.55
10 BRUNSWICK	47	143.68	227	138.44	141.99
11 BUNCOMBE	306	198.17	1472	194.15	156.26
12 BURKE	96	150.47	429	133.22	132.23
13 CABARRUS	133	166.87	644	163.56	149.68
14 CALDWELL	81	133.08	390	128.93	142.78
15 CAMDEN	15	261.05	67	234.02	202.79
16 CARTERET	67	181.03	326	180.15	168.82
17 CASWELL	32	162.90	142	145.04	122.67
18 CATAWBA	162	160.55	683	137.26	152.03
19 CHATHAM	54	174.09	258	169.91	152.49
20 CHEROKEE	29	163.85	153	176.49	145.18
21 CHOWAN	34	277.34	130	225.96	190.91
22 CLAY	13	216.30	54	192.13	243.28
23 CLEVELAND	151	192.75	587	150.56	153.13
24 COLUMBUS	95	184.08	389	152.96	145.03
25 CRAVEN	102	151.07	449	132.44	177.23
26 CUMBERLAND	211	90.46	977	84.69	166.59
27 CURRITUCK	16	151.08	105	207.52	183.97
28 DARE	21	197.57	113	233.05	168.46
29 DAVIDSON	124	120.67	625	123.29	125.01
30 DAVIE	34	151.49	172	159.84	134.86
31 DUPLIN	66	164.74	307	153.98	140.09
32 DURHAM	234	160.74	1197	168.22	165.99
33 EDGECOMBE	100	180.07	469	172.47	159.94
34 FORSYTH	362	157.80	1753	154.46	158.41
35 FRANKLIN	52	184.96	224	159.38	130.99
36 GASTON	237	151.96	1149	147.28	149.81
37 GATES	16	193.79	72	173.56	123.69
38 GRAHAM	14	199.94	53	158.76	121.42
39 GRANVILLE	52	158.30	216	131.54	117.22
40 GREENE	25	168.35	111	148.25	160.92
41 GUILFORD	500	163.69	2354	155.79	160.49

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
TOTAL CANCER CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	96	173.11	488	176.67	154.34
43 HARNETT	98	175.91	421	154.77	158.88
44 HAYWOOD	68	152.33	348	158.63	136.11
45 HENDERSON	129	249.79	522	210.29	161.21
46 HERTFORD	36	143.98	200	165.83	139.45
47 HOKE	21	111.52	96	107.41	124.38
48 HYDE	10	182.11	46	166.17	128.87
49 IREDELL	130	163.90	596	152.59	141.06
50 JACKSON	27	106.28	165	133.20	130.47
51 JOHNSTON	128	191.92	558	170.39	159.11
52 JONES	22	224.39	88	183.64	162.40
53 LEE	45	128.27	243	143.30	141.32
54 LENOIR	99	168.51	468	158.74	158.33
55 LINCOLN	41	105.36	279	148.65	151.58
56 MCDOWELL	49	143.60	243	144.64	129.35
57 MACON	36	187.30	173	188.51	120.94
58 MADISON	32	186.00	125	147.59	88.69
59 MARTIN	40	157.61	189	150.30	142.69
60 MECKLENBURG	601	156.23	2664	141.19	165.39
61 MITCHELL	28	198.97	133	190.73	104.93
62 MONTGOMERY	46	231.49	177	180.62	151.62
63 MOORE	96	214.84	396	184.11	152.65
64 NASH	120	178.11	500	152.42	144.40
65 NEW HANOVER	167	170.87	753	156.49	160.79
66 NORTHAMPTON	51	218.13	226	195.34	149.76
67 ONSLOW	99	84.21	353	65.72	171.98
68 ORANGE	70	100.63	348	101.36	137.25
69 PAMLICO	26	260.91	90	187.73	139.04
70 PASQUOTANK	59	205.07	289	204.34	177.65
71 PENDER	40	180.56	188	177.94	160.13
72 PERQUIMANS	20	227.68	105	246.90	159.03
73 PERSON	38	140.06	204	151.08	139.82
74 PITT	122	149.56	583	147.70	162.08
75 POLK	26	209.08	154	244.20	154.09
76 RANDOLPH	127	149.93	565	136.06	135.56
77 RICHMOND	88	205.62	333	160.42	148.33
78 ROBESON	133	141.67	621	133.52	147.14
79 ROCKINGHAM	147	191.99	680	177.40	157.73
80 ROWAN	177	189.32	819	176.55	147.23
81 RUTHERFORD	101	195.74	438	172.73	142.81
82 SAMPSON	87	177.08	371	153.77	135.16
83 SCOTLAND	52	167.61	226	151.69	173.21
84 STANLY	96	212.45	389	173.35	156.69
85 STOKES	36	119.91	175	121.51	120.55
86 SURRY	90	160.76	417	151.04	143.24
87 SWAIN	16	157.06	80	160.23	135.27
88 TRANSYLVANIA	42	191.28	158	147.54	209.37
89 TYRRELL	10	247.15	38	195.25	143.24
90 UNION	77	117.96	395	125.05	131.62
91 VANCE	63	183.45	324	191.35	171.20
92 WAKE	381	136.80	1738	129.21	159.32
93 WARREN	36	210.58	185	221.66	161.03
94 WASHINGTON	24	158.86	129	177.35	178.00
95 WATAUGA	34	118.42	159	111.21	122.68
96 WAYNE	143	153.80	642	141.50	167.97
97 WILKES	69	123.85	342	125.49	122.75
98 WILSON	110	160.89	526	174.53	172.55
99 YADKIN	56	207.35	212	157.83	138.55
100 YANCEY	29	198.12	129	182.11	204.65

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

TOTAL CANCER

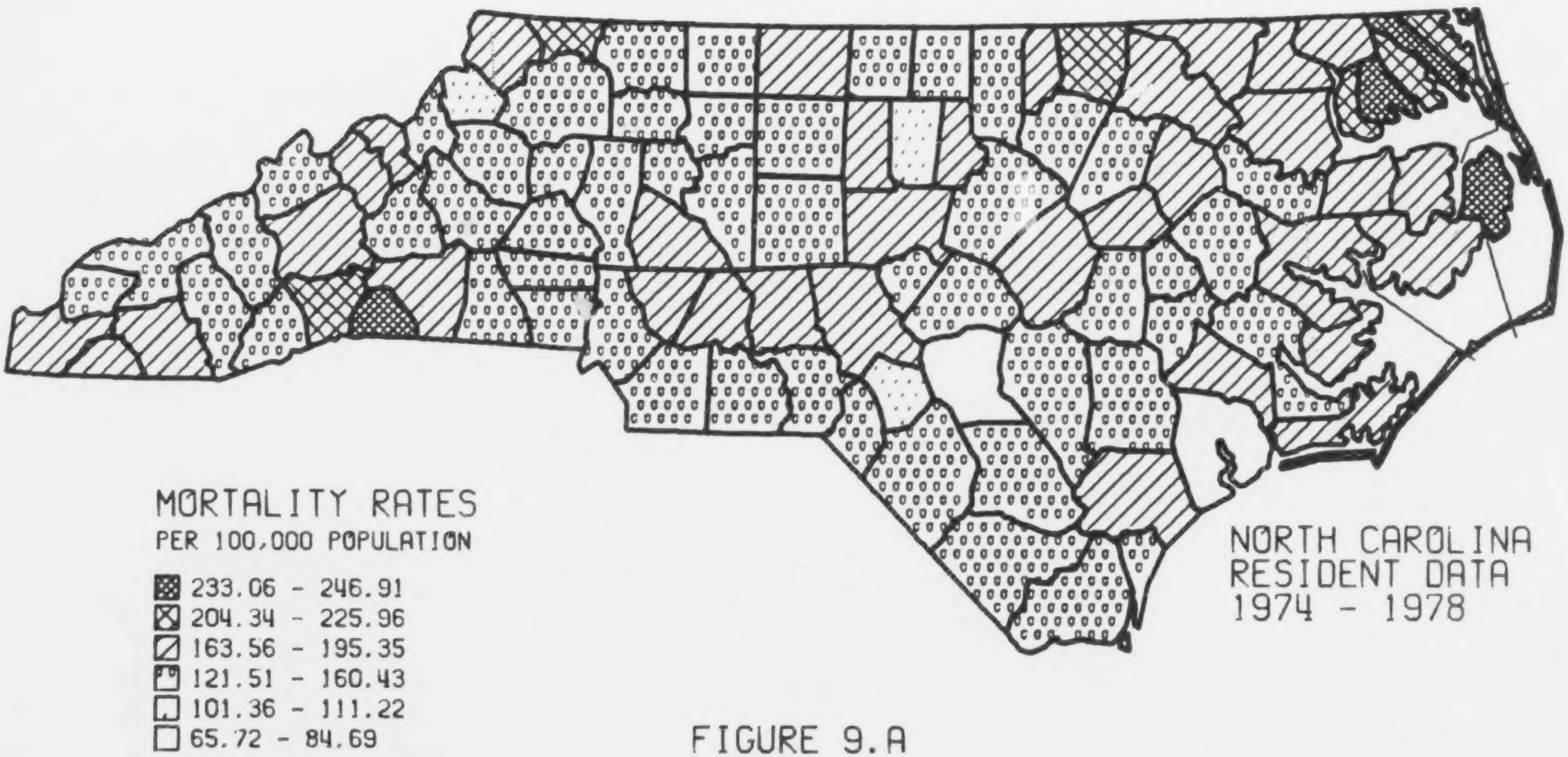

MORTALITY RATES
PER 100,000 POPULATION
▩ 233.06 - 246.91
☒ 204.34 - 225.96
▨ 163.56 - 195.35
▦ 121.51 - 160.43
▫ 101.36 - 111.22
☐ 65.72 - 84.69
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 9.A

TOTAL CANCER

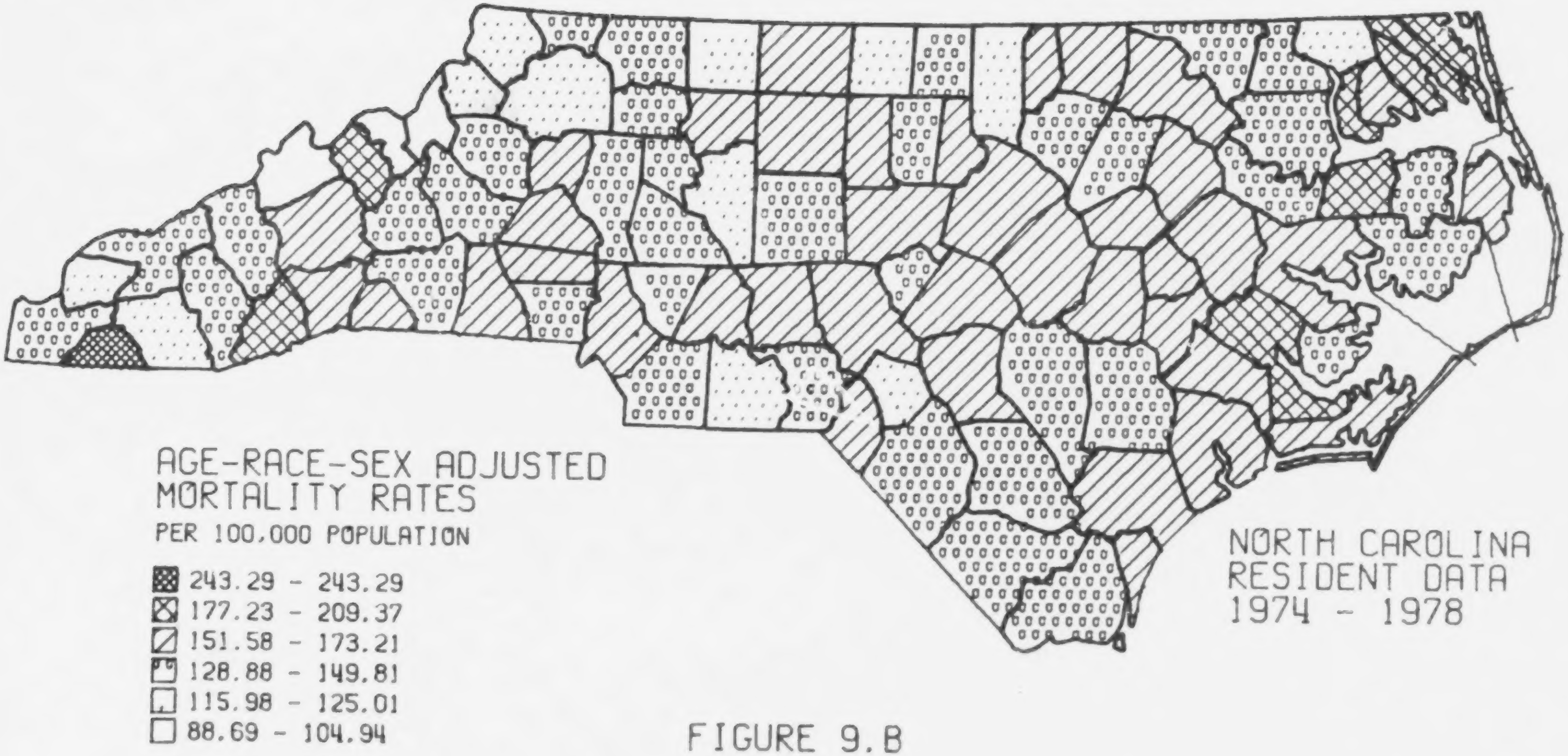

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 243.29 - 243.29
☒ 177.23 - 209.37
▨ 151.58 - 173.21
▦ 128.88 - 149.81
☐ 115.98 - 125.01
☐ 88.69 - 104.94
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 9.B

TABLE 10

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

CANCER OF THE STOMACH

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	294	5.27	1446	5.27	5.27
REGIONS					
DHR I WESTERN	110	5.79	511	5.46	5.73
DHR II N. CENTRAL	54	4.53	277	4.69	4.63
DHR III S. CENTRAL	57	4.49	302	4.86	5.25
DHR IV EASTERN	73	5.99	356	5.98	5.45
HSA I WESTERN	61	6.37	302	6.41	6.49
HSA II PIEDMONT	48	4.56	240	4.61	4.82
HSA III S. PIEDMONT	49	5.19	209	4.50	4.92
HSA IV CAPITAL	29	3.78	172	4.59	4.55
HSA V CARDINAL	46	5.43	222	5.33	5.56
HSA VI EASTERN	61	6.01	301	6.09	5.51
COUNTIES					
1 ALAMANCE	3	3.06	31	6.26	6.25
2 ALEXANDER	1	4.42	4	3.62	3.20
3 ALLEGHANY	0	0.00	2	4.55	2.29
4 ANSON	0	0.00	3	2.51	1.42
5 ASHE	2	9.63	9	8.88	5.18
6 AVERY	1	7.24	4	5.72	4.48
7 BEAUFORT	4	10.00	16	8.27	6.49
8 BERTIE	0	0.00	7	6.67	4.80
9 BLADEN	2	6.83	6	4.16	3.75
10 BRUNSWICK	3	9.17	10	6.09	5.66
11 BUNCOMBE	14	9.06	63	8.30	7.41
12 BURKE	2	3.13	11	3.41	3.36
13 CABARRUS	4	5.01	25	6.34	6.90
14 CALDWELL	2	3.28	13	4.29	5.11
15 CAMDEN	0	0.00	1	3.49	3.36
16 CARTERET	2	5.40	8	4.42	3.60
17 CASWELL	0	0.00	5	5.10	4.01
18 CATAWBA	5	4.95	22	4.42	5.79
19 CHATHAM	1	3.22	8	5.26	4.15
20 CHEROKEE	3	16.95	5	5.76	3.81
21 CHOWAN	2	16.31	3	5.21	4.44
22 CLAY	3	49.91	3	10.67	5.13
23 CLEVELAND	5	6.38	28	7.18	7.47
24 COLUMBUS	4	7.75	13	5.11	4.96
25 CRAVEN	2	2.96	17	5.01	6.13
26 CUMBERLAND	11	4.71	43	3.72	7.11
27 CURRITUCK	0	0.00	6	11.85	10.62
28 DARE	0	0.00	6	12.37	7.27
29 DAVIDSON	2	1.94	11	2.16	2.65
30 DAVIE	2	8.91	7	6.50	4.82
31 DUPLIN	2	4.99	6	3.00	2.25
32 DURHAM	3	2.06	36	5.05	4.79
33 EDGECOMBE	7	12.60	31	11.40	8.87
34 FORSYTH	12	5.23	48	4.22	4.19
35 FRANKLIN	1	3.55	11	7.82	5.10
36 GASTON	10	6.41	37	4.74	5.25
37 GATES	0	0.00	2	4.82	1.47
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	1	3.04	5	3.04	2.01
40 GREENE	1	6.73	6	8.01	6.62
41 GUILFORD	13	4.25	78	5.16	5.44

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
CANCER OF THE STOMACH CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	1	1.80	18	6.51	3.82
43 HARNETT	5	8.97	23	8.45	8.72
44 HAYWOOD	2	4.48	19	8.66	8.20
45 HENDERSON	5	9.68	23	9.26	8.98
46 HERTFORD	3	11.99	9	7.46	4.15
47 HOKE	1	5.31	4	4.47	4.81
48 HYDE	0	0.00	0	0.00	0.00
49 IREDELL	4	5.04	21	5.37	5.44
50 JACKSON	2	7.87	5	4.03	3.34
51 JOHNSTON	4	5.99	21	6.41	6.36
52 JONES	1	10.19	2	4.17	4.19
53 LEE	2	5.70	11	6.48	6.30
54 LENOIR	3	5.10	18	6.10	5.12
55 LINCOLN	1	2.56	7	3.72	4.28
56 MCDOWELL	1	2.93	14	8.33	7.70
57 MACON	1	5.20	11	11.98	5.84
58 MADISON	1	5.81	7	8.26	4.52
59 MARTIN	2	7.88	8	6.36	4.18
60 MECKLENBURG	21	5.45	78	4.13	4.88
61 MITCHELL	0	0.00	10	14.34	8.63
62 MONTGOMERY	2	10.06	4	4.08	3.45
63 MOORE	5	11.18	16	7.43	6.14
64 NASH	0	0.00	17	5.18	4.52
65 NEW HANOVER	4	4.09	24	4.98	4.75
66 NORTHAMPTON	4	17.10	9	7.77	4.96
67 ONSLOW	0	0.00	6	1.11	3.18
68 ORANGE	3	4.31	11	3.20	4.29
69 PAMLICO	1	10.03	6	12.51	9.08
70 PASQUOTANK	3	10.42	17	12.02	9.22
71 PENDER	1	4.51	8	7.57	7.94
72 PERQUIMANS	2	22.76	2	4.70	3.51
73 PERSON	1	3.68	8	5.92	5.45
74 PITT	8	9.80	26	6.58	6.13
75 POLK	1	8.04	7	11.10	8.05
76 RANDOLPH	4	4.72	23	5.53	7.42
77 RICHMOND	2	4.67	8	3.85	3.14
78 ROBESON	3	3.19	31	6.66	5.99
79 ROCKINGHAM	9	11.75	24	6.26	5.62
80 ROWAN	4	4.27	20	4.31	4.07
81 RUTHERFORD	4	7.75	11	4.33	3.54
82 SAMPSON	2	4.07	18	7.46	6.34
83 SCOTLAND	1	3.22	11	7.38	8.72
84 STANLY	2	4.42	8	3.56	2.66
85 STOKES	1	3.33	3	2.08	3.03
86 SURRY	0	0.00	5	1.81	3.57
87 SWAIN	1	9.81	2	4.00	3.09
88 TRANSYLVANIA	0	0.00	3	2.80	14.94
89 TYRRELL	0	0.00	2	10.27	7.56
90 UNION	3	4.59	13	4.11	4.56
91 VANCE	2	5.82	6	3.54	2.72
92 WAKE	10	3.59	48	3.56	4.47
93 WARREN	1	5.84	7	8.38	3.41
94 WASHINGTON	2	13.23	6	8.24	7.53
95 WATAUGA	2	6.96	6	4.19	3.90
96 WAYNE	5	5.37	26	5.73	5.59
97 WILKES	2	3.59	10	3.66	7.90
98 WILSON	6	9.86	20	6.63	6.49
99 YADKIN	2	7.40	5	3.72	2.65
100 YANCEY	1	6.83	10	14.11	8.10

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CANCER OF THE STOMACH

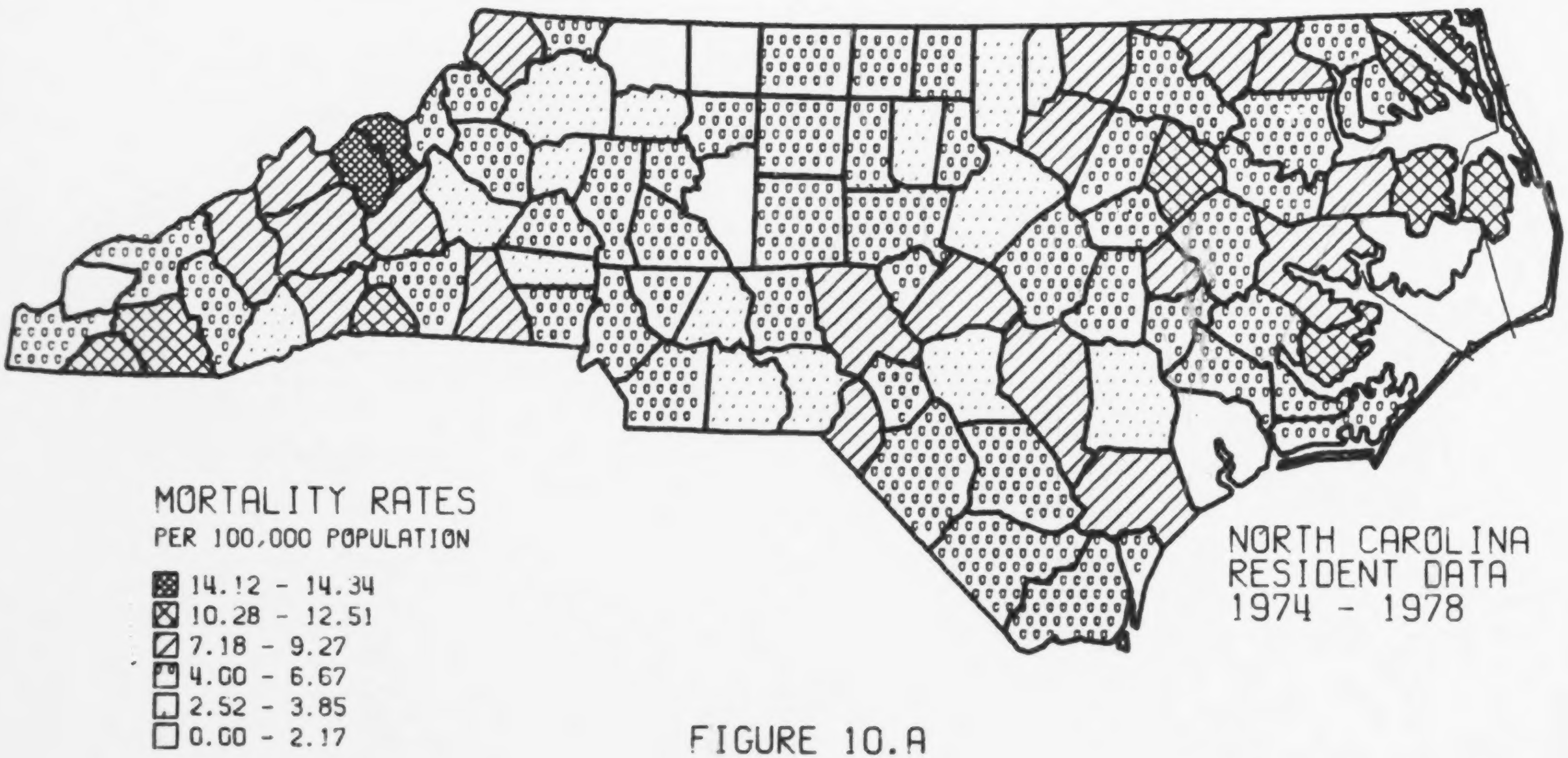

MORTALITY RATES
PER 100,000 POPULATION
▩ 14.12 - 14.34
☒ 10.28 - 12.51
▨ 7.18 - 9.27
▤ 4.00 - 6.67
☐ 2.52 - 3.85
☐ 0.00 - 2.17
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 10.A

CANCER OF THE STOMACH

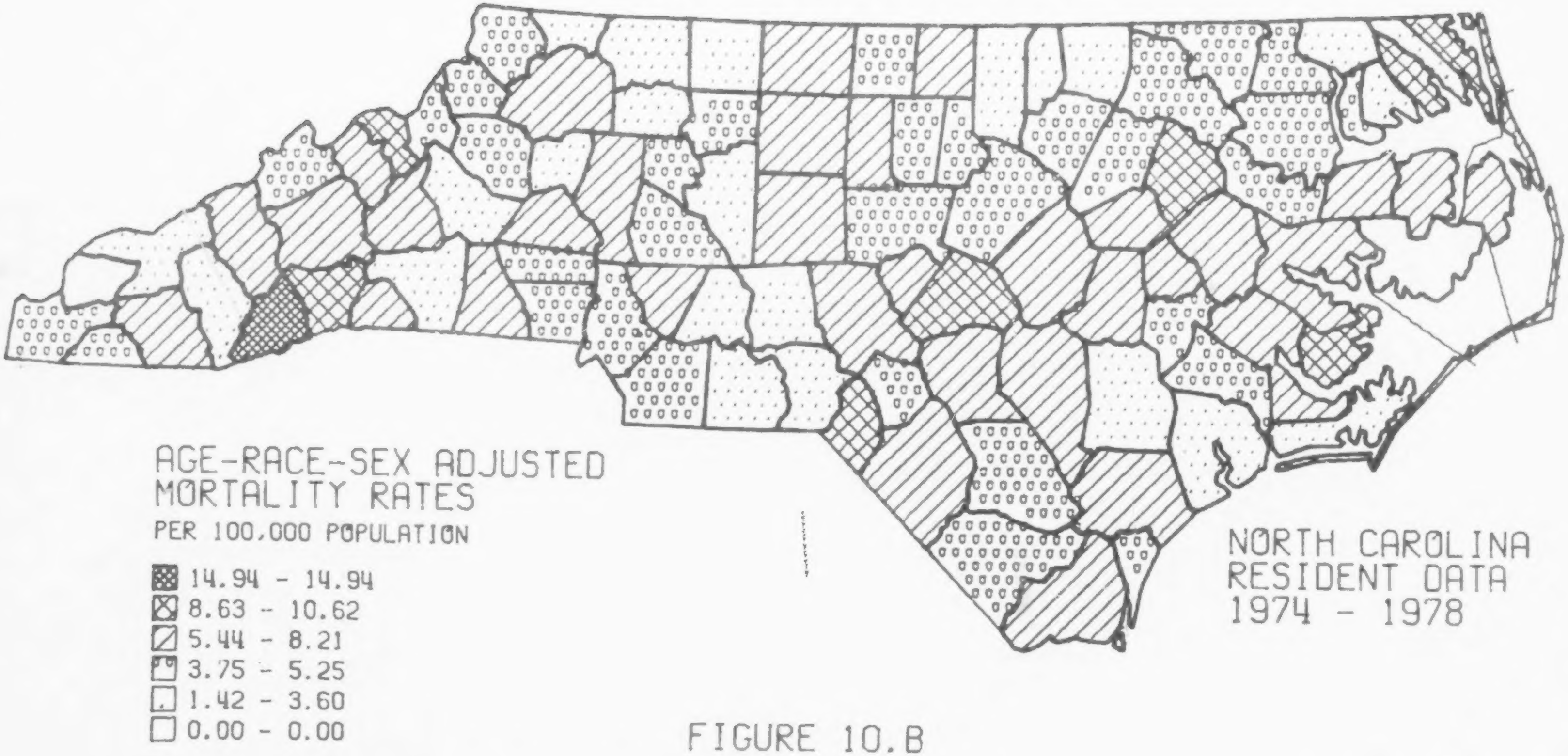

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 14.94 - 14.94
☒ 8.63 - 10.62
▨ 5.44 - 8.21
☐ 3.75 - 5.25
☐ 1.42 - 3.60
☐ 0.00 - 0.00
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 10.B

TABLE 11

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

CANCER OF THE COLON AND RECTUM

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	959	17.19	4557	16.63	16.63
REGIONS					
DHR I WESTERN	362	19.06	1698	18.15	17.19
DHR II N. CENTRAL	227	19.05	1058	17.93	17.28
DHR III S. CENTRAL	172	13.56	868	13.99	16.25
DHR IV EASTERN	198	16.25	933	15.69	16.27
HSA I WESTERN	188	19.65	865	18.36	15.74
HSA II PIEDMONT	204	19.39	939	18.03	17.79
HSA III S. PIEDMONT	174	18.46	833	17.94	18.42
HSA IV CAPITAL	101	13.18	577	15.42	16.25
HSA V CARDINAL	126	14.89	553	13.29	15.15
HSA VI EASTERN	166	16.37	790	15.99	16.81
COUNTIES					
1 ALAMANCE	20	20.40	105	21.22	20.12
2 ALEXANDER	5	22.12	19	17.22	22.81
3 ALLEGHANY	2	22.70	12	27.31	13.33
4 ANSON	3	12.73	16	13.42	9.20
5 ASHE	3	14.45	15	14.80	9.25
6 AVERY	0	0.00	11	15.73	11.20
7 BEAUFORT	9	22.51	30	15.51	13.36
8 BERTIE	7	32.96	25	23.82	21.92
9 BLADEN	4	13.67	17	11.79	10.22
10 BRUNSWICK	2	6.11	16	9.75	9.92
11 BUNCOMBE	37	23.96	174	22.95	16.96
12 BURKE	7	10.97	41	12.73	12.92
13 CABARRUS	16	20.07	83	21.08	18.64
14 CALDWELL	8	13.14	35	11.57	12.35
15 CAMDEN	0	0.00	9	31.43	28.83
16 CARTERET	6	16.21	32	17.68	15.75
17 CASWELL	8	40.72	20	20.42	16.69
18 CATAWBA	19	18.82	93	18.69	20.56
19 CHATHAM	5	16.11	30	19.75	18.22
20 CHEROKEE	4	22.60	19	21.91	20.06
21 CHOWAN	5	40.78	16	27.81	24.90
22 CLAY	2	33.27	7	24.90	15.01
23 CLEVELAND	20	25.53	91	23.34	23.10
24 COLUMBUS	7	13.56	25	9.83	8.89
25 CRAVEN	10	14.81	53	15.63	22.28
26 CUMBERLAND	20	8.57	101	8.75	18.70
27 CURRITUCK	3	28.32	6	11.85	9.70
28 DARE	0	0.00	8	16.49	11.20
29 DAVIDSON	12	11.67	79	15.58	15.44
30 DAVIE	3	13.36	19	17.65	14.54
31 DUPLIN	7	17.47	34	17.05	14.29
32 DURHAM	17	11.67	129	18.12	17.98
33 EDGECOMBE	6	10.80	50	18.38	17.63
34 FORSYTH	53	23.10	209	18.41	19.07
35 FRANKLIN	2	7.11	23	16.36	11.43
36 GASTON	24	15.38	114	14.61	16.30
37 GATES	2	24.22	11	26.51	23.21
38 GRAHAM	1	14.28	3	8.98	5.23
39 GRANVILLE	6	18.26	25	15.22	13.16
40 GREENE	4	26.93	17	22.70	23.15
41 GUILFORD	54	17.67	273	18.06	18.58

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
CANCER OF THE COLON AND RECTUM CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	18	32.45	59	21.36	20.47
43 HARNETT	13	23.33	53	19.48	20.45
44 HAYWOOD	7	15.68	31	14.13	8.63
45 HENDERSON	17	32.91	62	24.97	16.64
46 HERTFORD	5	19.99	26	21.55	14.74
47 HOKE	4	21.24	12	13.42	18.54
48 HYDE	0	0.00	5	18.06	11.11
49 IREDELL	20	25.21	76	19.45	18.09
50 JACKSON	3	11.80	21	16.95	15.59
51 JOHNSTON	14	20.99	60	18.32	17.42
52 JONES	2	20.39	9	18.78	18.88
53 LEE	2	5.70	30	17.69	17.12
54 LENOIR	9	15.31	49	16.62	17.01
55 LINCOLN	9	23.12	34	18.11	17.87
56 MCDOWELL	6	17.58	23	13.69	15.21
57 MACON	2	10.40	11	11.98	5.99
58 MADISON	4	23.25	14	16.53	8.96
59 MARTIN	2	7.88	15	11.92	11.96
60 MECKLENBURG	70	18.19	333	17.64	20.54
61 MITCHELL	5	35.53	13	18.64	10.02
62 MONTGOMERY	3	15.09	14	14.28	11.53
63 MOORE	7	15.66	45	20.92	16.84
64 NASH	12	17.81	43	13.10	13.23
65 NEW HANOVER	18	18.41	80	16.62	17.33
66 NORTHAMPTON	4	17.10	24	20.74	14.78
67 ONSLOW	6	5.10	33	6.14	18.31
68 ORANGE	6	8.62	37	10.77	14.73
69 PAMLICO	4	40.14	7	14.60	10.97
70 PASQUOTANK	5	17.37	24	16.96	15.88
71 PENDER	5	22.57	22	20.82	17.96
72 PERQUIMANS	2	22.76	13	30.56	16.81
73 PERSON	4	14.74	16	11.84	10.94
74 PITT	9	11.03	48	12.16	13.62
75 POLK	2	16.08	20	31.71	13.99
76 RANDOLPH	16	18.88	61	14.69	13.34
77 RICHMOND	9	21.02	36	17.34	16.21
78 ROBESON	19	20.23	68	14.62	17.21
79 ROCKINGHAM	19	24.81	85	22.17	19.87
80 ROWAN	16	17.11	103	22.20	18.09
81 RUTHERFORD	17	32.94	67	26.42	19.30
82 SAMPSON	2	4.07	25	10.36	9.24
83 SCOTLAND	10	32.23	23	15.43	17.26
84 STANLY	9	19.91	46	20.49	17.23
85 STOKES	1	3.33	17	11.80	9.22
86 SURRY	10	17.86	49	17.74	20.31
87 SWAIN	1	9.81	6	12.01	9.76
88 TRANSYLVANIA	2	9.10	18	16.80	16.69
89 TYRRELL	1	24.71	5	25.69	17.86
90 UNION	10	15.31	44	13.93	14.42
91 VANCE	9	26.20	33	19.48	17.35
92 WAKE	34	12.20	172	12.78	16.18
93 WARREN	2	11.69	22	26.35	14.69
94 WASHINGTON	1	6.61	14	19.24	21.80
95 WATAUGA	5	17.41	17	11.89	19.29
96 WAYNE	19	20.43	75	16.53	19.55
97 WILKES	6	10.77	24	8.80	9.49
98 WILSON	8	13.15	50	16.59	16.39
99 YADKIN	8	29.62	22	16.37	10.71
100 YANCEY	3	20.49	18	25.41	35.54

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

CANCER OF THE COLON AND RECTUM

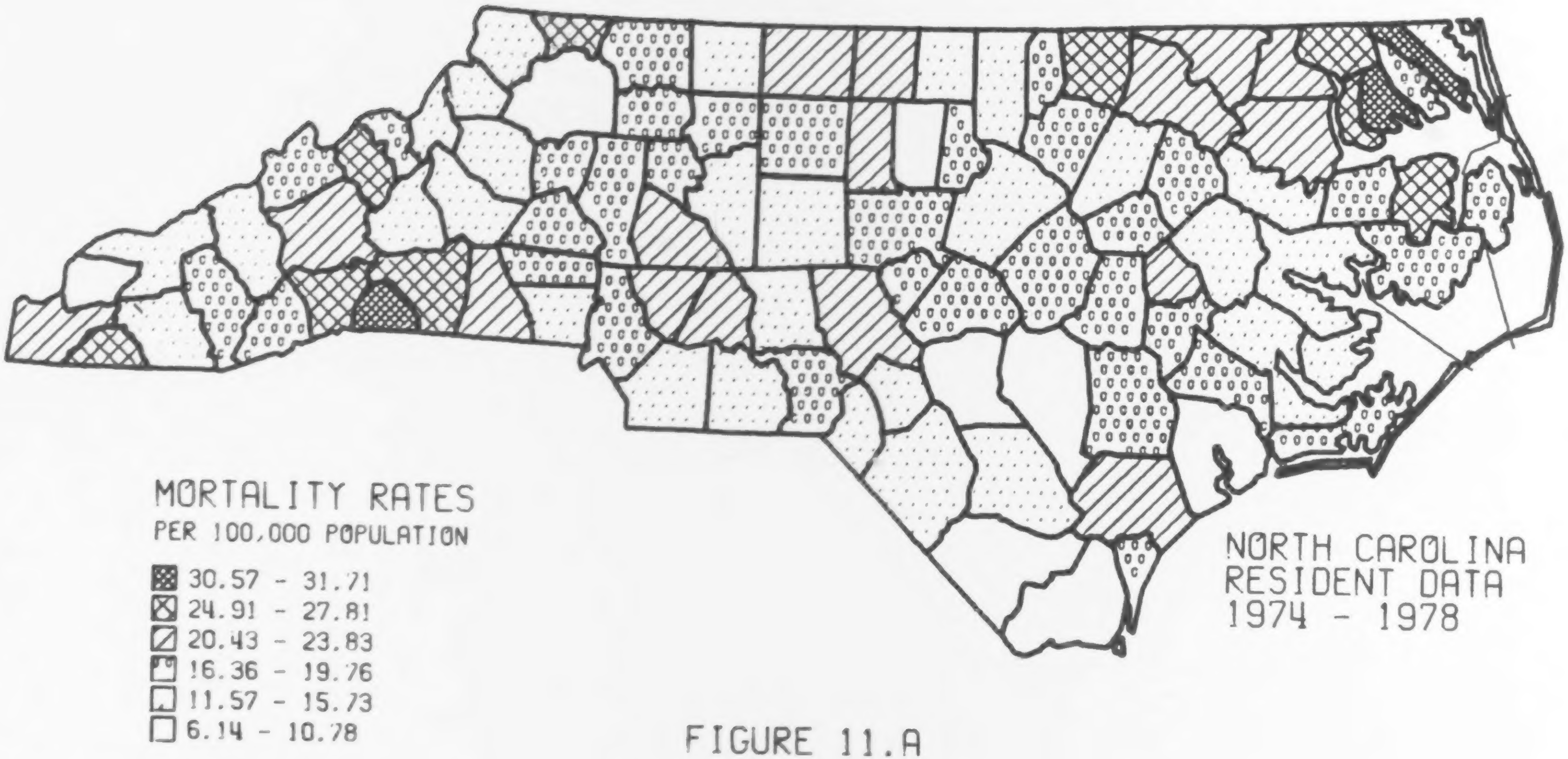

MORTALITY RATES
PER 100,000 POPULATION
▩ 30.57 - 31.71
☒ 24.91 - 27.81
▨ 20.43 - 23.83
☐ 16.36 - 19.76
☐ 11.57 - 15.73
☐ 6.14 - 10.78
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 11.A

CANCER OF THE COLON AND RECTUM

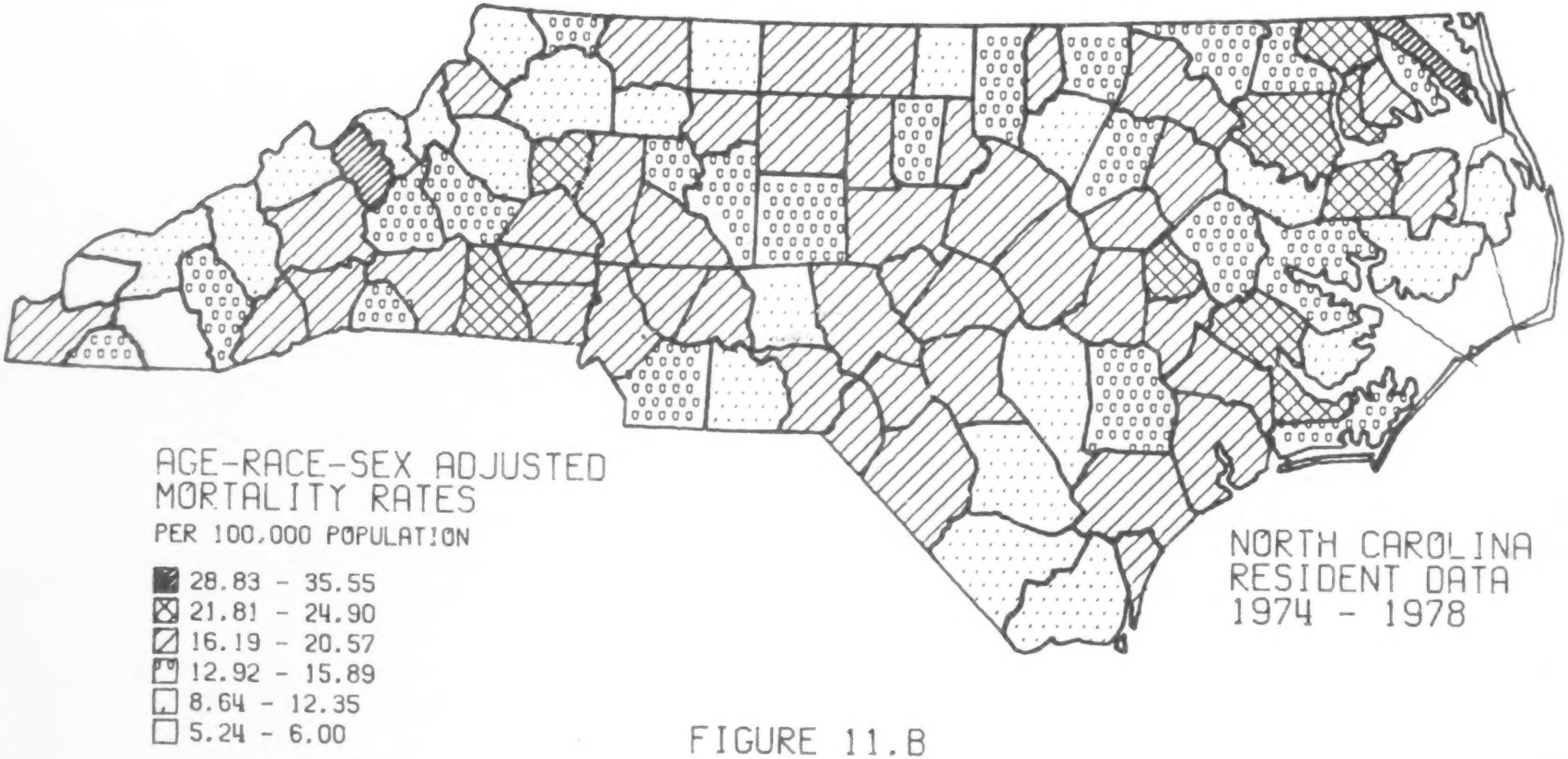

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 28.83 - 35.55
☒ 21.81 - 24.90
▨ 16.19 - 20.57
▤ 12.92 - 15.89
☐ 8.64 - 12.35
☐ 5.24 - 6.00
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 11.B

TABLE 12

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

CANCER OF THE PANCREAS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	515	9.23	2254	8.22	8.22
REGIONS					
DHR I WESTERN	201	10.58	822	8.78	8.57
DHR II N. CENTRAL	108	9.06	548	9.29	8.96
DHR III S. CENTRAL	102	8.04	449	7.23	8.42
DHR IV EASTERN	104	8.53	435	7.31	7.63
HSA I WESTERN	107	11.18	439	9.32	8.54
HSA II PIEDMONT	94	8.93	481	9.23	9.17
HSA III S. PIEDMONT	94	9.97	383	8.24	8.67
HSA IV CAPITAL	58	7.57	289	7.72	8.31
HSA V CARDINAL	72	8.50	285	6.85	7.75
HSA VI EASTERN	90	8.87	377	7.63	8.02
COUNTIES					
1 ALAMANCE	14	14.28	63	12.73	12.08
2 ALEXANDER	2	8.84	8	7.25	6.31
3 ALLEGHANY	3	34.05	8	18.21	9.85
4 ANSON	2	8.49	14	11.74	7.95
5 ASHE	5	24.08	15	14.80	8.89
6 AVERY	1	7.24	1	1.43	1.16
7 BEAUFORT	2	5.00	17	8.79	6.26
8 BERTIE	4	18.83	11	10.48	7.74
9 BLADEN	2	6.83	13	9.01	8.28
10 BRUNSWICK	3	9.17	9	5.48	5.51
11 BUNCOMBE	20	12.95	83	10.94	8.80
12 BURKE	2	3.13	17	5.27	6.01
13 CABARRUS	14	17.56	36	9.14	8.72
14 CALDWELL	6	9.85	23	7.60	8.98
15 CAMDEN	1	17.40	4	13.97	11.72
16 CARTERET	4	10.80	19	10.50	9.25
17 CASWELL	2	10.18	7	7.14	5.99
18 CATAWBA	10	9.91	33	6.63	8.53
19 CHATHAM	1	3.22	17	11.19	10.30
20 CHEROKEE	2	11.30	14	16.15	21.28
21 CHOWAN	2	16.31	5	8.69	9.87
22 CLAY	1	16.63	3	10.67	46.71
23 CLEVELAND	11	14.04	39	10.00	10.16
24 COLUMBUS	6	11.62	15	5.89	6.22
25 CRAVEN	5	7.40	19	5.60	7.16
26 CUMBERLAND	11	4.71	53	4.59	9.97
27 CURRITUCK	0	0.00	2	3.95	3.80
28 DARE	1	9.40	5	10.31	6.70
29 DAVIDSON	6	5.83	33	6.50	6.66
30 DAVIE	0	0.00	2	1.85	1.51
31 DUPLIN	5	12.48	15	7.52	7.32
32 DURHAM	10	6.86	69	9.69	9.97
33 EDGECOMBE	4	7.20	21	7.72	8.44
34 FORSYTH	20	8.71	122	10.75	11.23
35 FRANKLIN	4	14.22	10	7.11	5.78
36 GASTON	16	10.25	68	8.71	8.41
37 GATES	1	12.11	3	7.23	4.96
38 GRAHAM	0	0.00	7	8.98	5.51
39 GRANVILLE	3	9.13	15	9.13	7.36
40 GREENE	2	13.46	3	4.00	4.70
41 GUILFORD	28	9.16	132	8.73	9.11

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
CANCER OF THE PANCREAS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	4	7.21	19	6.87	6.49
43 HARNETT	7	12.56	27	9.92	10.20
44 HAYWOOD	4	8.96	23	10.48	6.44
45 HENDERSON	5	9.68	26	10.47	8.11
46 HERTFORD	1	3.99	6	4.97	4.00
47 HOKE	0	0.00	3	3.35	4.20
48 HYDE	1	18.21	1	3.61	1.34
49 IREDELL	7	8.82	34	8.70	8.36
50 JACKSON	2	7.87	12	9.68	10.06
51 JOHNSTON	8	11.99	27	8.24	7.57
52 JONES	0	0.00	5	10.43	7.38
53 LEE	3	8.55	10	5.89	5.81
54 LENOIR	6	10.21	24	8.14	10.21
55 LINCOLN	1	2.56	11	5.86	7.04
56 MCDOWELL	0	0.00	12	7.14	5.30
57 MACON	3	15.60	11	11.98	13.33
58 MADISON	2	11.62	7	8.26	4.63
59 MARTIN	2	7.88	7	5.56	4.33
60 MECKLENBURG	38	9.87	144	7.63	9.25
61 MITCHELL	3	21.31	8	11.47	5.66
62 MONTGOMERY	1	5.03	7	7.14	6.23
63 MOORE	7	15.66	30	13.94	11.73
64 NASH	5	7.42	28	8.53	7.80
65 NEW HANOVER	5	5.11	29	6.02	6.16
66 NORTHAMPTON	4	17.10	13	11.23	9.47
67 ONSLOW	4	3.40	13	2.42	8.20
68 ORANGE	7	10.06	24	6.99	9.66
69 PAMLICO	4	40.14	5	10.42	7.24
70 PASQUOTANK	1	3.47	16	11.31	10.52
71 PENDER	0	0.00	5	4.73	4.20
72 PERQUIMANS	1	11.38	10	23.51	10.81
73 PERSON	2	7.37	14	10.36	10.24
74 PITT	7	8.58	29	7.34	7.91
75 POLK	4	32.16	8	12.68	7.29
76 RANDOLPH	6	7.08	34	8.18	9.31
77 RICHMOND	7	16.35	14	6.74	6.17
78 ROBESON	10	10.65	35	7.52	8.52
79 ROCKINGHAM	8	10.44	37	9.65	8.66
80 ROWAN	9	9.62	47	10.13	8.67
81 RUTHERFORD	10	19.38	35	13.80	11.71
82 SAMPSON	11	22.39	26	10.77	9.83
83 SCOTLAND	0	0.00	5	3.35	4.44
84 STANLY	6	13.27	22	9.80	8.69
85 STOKES	4	13.32	11	7.63	7.50
86 SURRY	2	3.57	27	9.77	8.64
87 SWAIN	1	9.81	7	14.02	11.78
88 TRANSYLVANIA	4	18.21	9	8.40	7.03
89 TYRRELL	1	24.71	2	10.27	3.51
90 UNION	3	4.59	21	6.64	7.45
91 VANCE	3	8.73	16	9.44	8.96
92 WAKE	15	5.38	75	5.57	7.06
93 WARREN	2	11.69	12	14.37	10.66
94 WASHINGTON	0	0.00	7	9.62	9.14
95 WATAUGA	1	3.48	7	4.89	4.79
96 WAYNE	7	7.52	34	7.49	10.19
97 WILKES	3	5.38	17	6.23	4.90
98 WILSON	11	18.08	34	11.28	11.82
99 YADKIN	4	14.81	13	9.67	6.58
100 YANCEY	2	13.66	10	14.11	8.08

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

CANCER OF THE PANCREAS

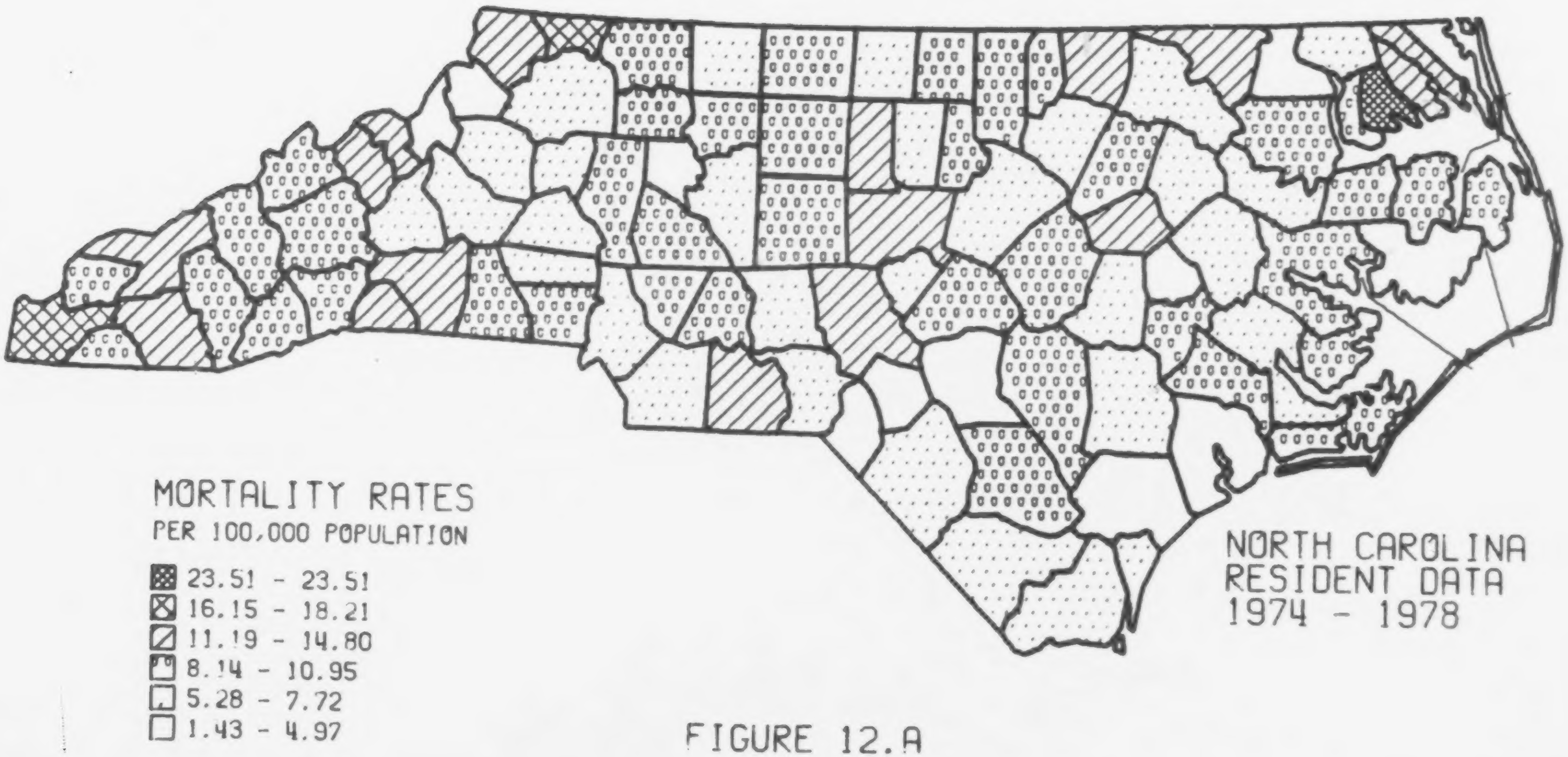
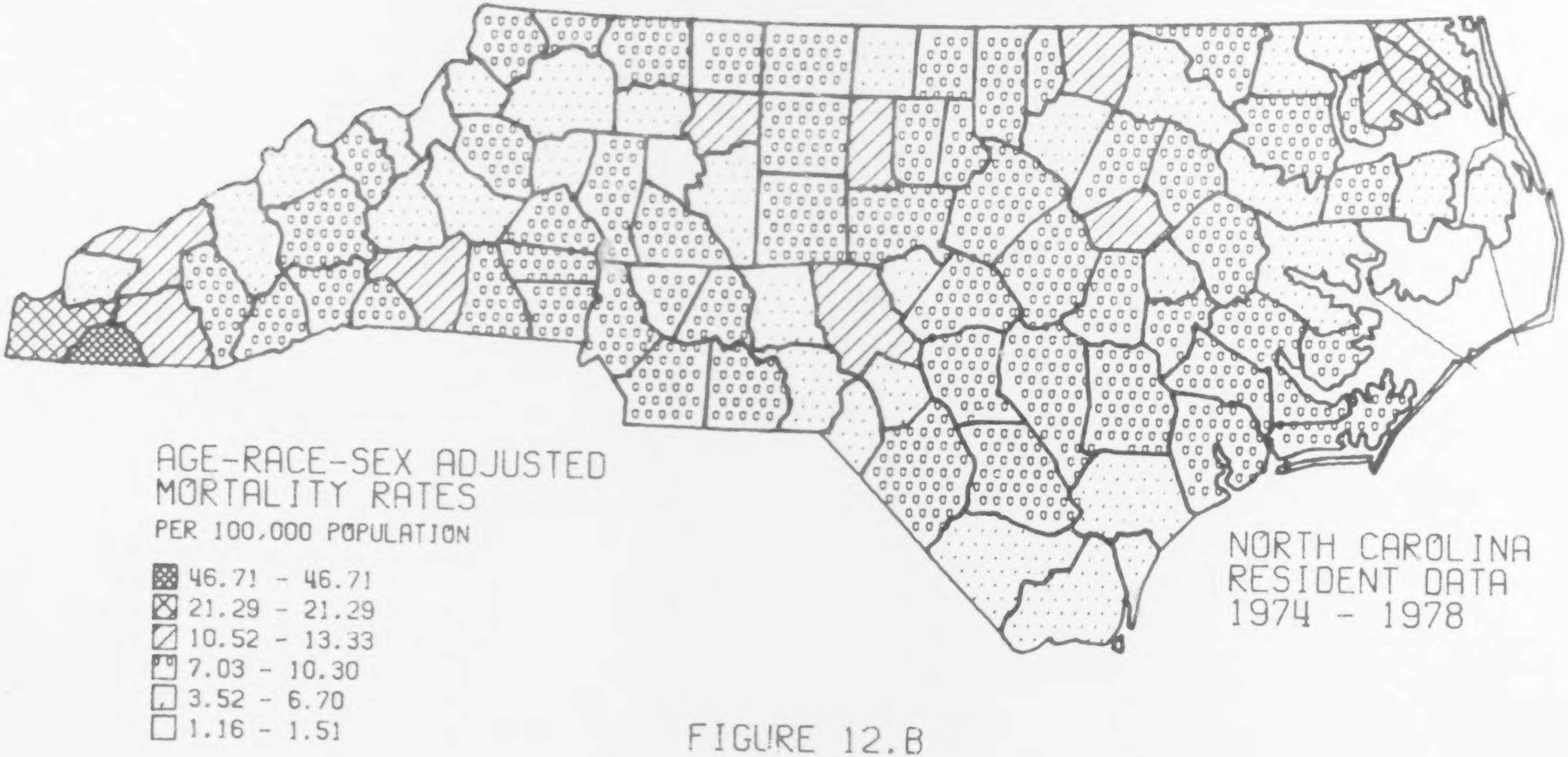

MORTALITY RATES
PER 100,000 POPULATION
▩ 23.51 - 23.51
☒ 16.15 - 18.21
▨ 11.19 - 14.80
▦ 8.14 - 10.95
▤ 5.28 - 7.72
☐ 1.43 - 4.97
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 12.A

CANCER OF THE PANCREAS


AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 46.71 - 46.71
☒ 21.29 - 21.29
▨ 10.52 - 13.33
▦ 7.03 - 10.30
░ 3.52 - 6.70
☐ 1.16 - 1.51

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 12.B

TABLE 13

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

CANCER OF THE TRACHEA, BRONCHUS AND LUNG

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	2127	38.13	9298	33.93	33.93
REGIONS					
DHR I WESTERN	728	38.33	3191	34.11	32.30
DHR II N. CENTRAL	438	36.75	1981	33.58	32.06
DHR III S. CENTRAL	440	34.63	1877	30.25	35.28
DHR IV EASTERN	521	42.77	2249	37.83	39.82
HSA I WESTERN	368	38.47	1610	34.18	30.61
HSA II PIEDMONT	377	35.83	1683	32.32	31.20
HSA III S. PIEDMONT	360	38.19	1581	34.05	34.39
HSA IV CAPITAL	286	37.33	1271	33.97	36.53
HSA V CARDINAL	310	36.63	1312	31.54	36.22
HSA VI EASTERN	426	42.01	1841	37.27	39.78
COUNTIES					
1 ALAMANCE	35	35.70	173	34.96	31.48
2 ALEXANDER	6	26.54	27	24.47	32.83
3 ALLEGHANY	4	45.40	20	45.53	39.24
4 ANSON	8	33.97	37	31.04	25.07
5 ASHE	6	28.90	31	30.59	18.71
6 AVERY	5	36.20	20	28.60	20.44
7 BEAUFORT	24	60.05	111	57.42	46.68
8 BERTIE	7	32.96	46	43.84	35.19
9 BLADEN	11	37.61	39	27.05	25.55
10 BRUNSWICK	15	45.85	60	36.59	35.03
11 BUNCOMBE	66	42.74	310	40.88	34.18
12 BURKE	26	40.75	94	29.19	29.28
13 CABARRUS	31	38.89	135	34.28	30.89
14 CALDWELL	19	31.21	92	30.41	30.21
15 CAMDEN	5	87.01	15	52.39	44.72
16 CARTERET	24	64.84	92	50.84	44.52
17 CASWELL	6	30.54	25	25.53	22.25
18 CATAWBA	40	39.64	145	29.14	31.16
19 CHATHAM	12	38.68	43	28.31	24.66
20 CHEROKEE	8	45.20	44	50.75	42.44
21 CHOWAN	10	81.57	39	67.78	55.51
22 CLAY	1	16.63	14	49.81	29.24
23 CLEVELAND	30	38.29	126	32.31	32.73
24 COLUMBUS	25	48.44	112	44.04	40.74
25 CRAVEN	25	37.02	111	32.74	44.32
26 CUMBERLAND	51	21.86	234	20.28	40.56
27 CURRITUCK	6	56.65	30	59.29	50.55
28 DARE	5	47.04	26	53.62	35.96
29 DAVIDSON	27	26.27	133	26.23	24.92
30 DAVIE	15	66.83	46	42.75	34.15
31 DUPLIN	18	44.93	81	40.62	37.24
32 DURHAM	63	43.27	298	41.87	43.14
33 EDGECOMBE	27	48.62	95	34.93	35.24
34 FORSYTH	77	33.56	359	31.63	32.98
35 FRANKLIN	14	49.79	59	41.98	38.20
36 GASTON	59	37.83	291	37.30	37.17
37 GATES	3	36.33	12	28.92	19.76
38 GRAHAM	5	71.40	16	47.93	34.03
39 GRANVILLE	14	42.62	61	37.14	35.04
40 GREENE	9	60.60	29	38.73	43.88
41 GUILFORD	110	36.01	510	33.75	34.69

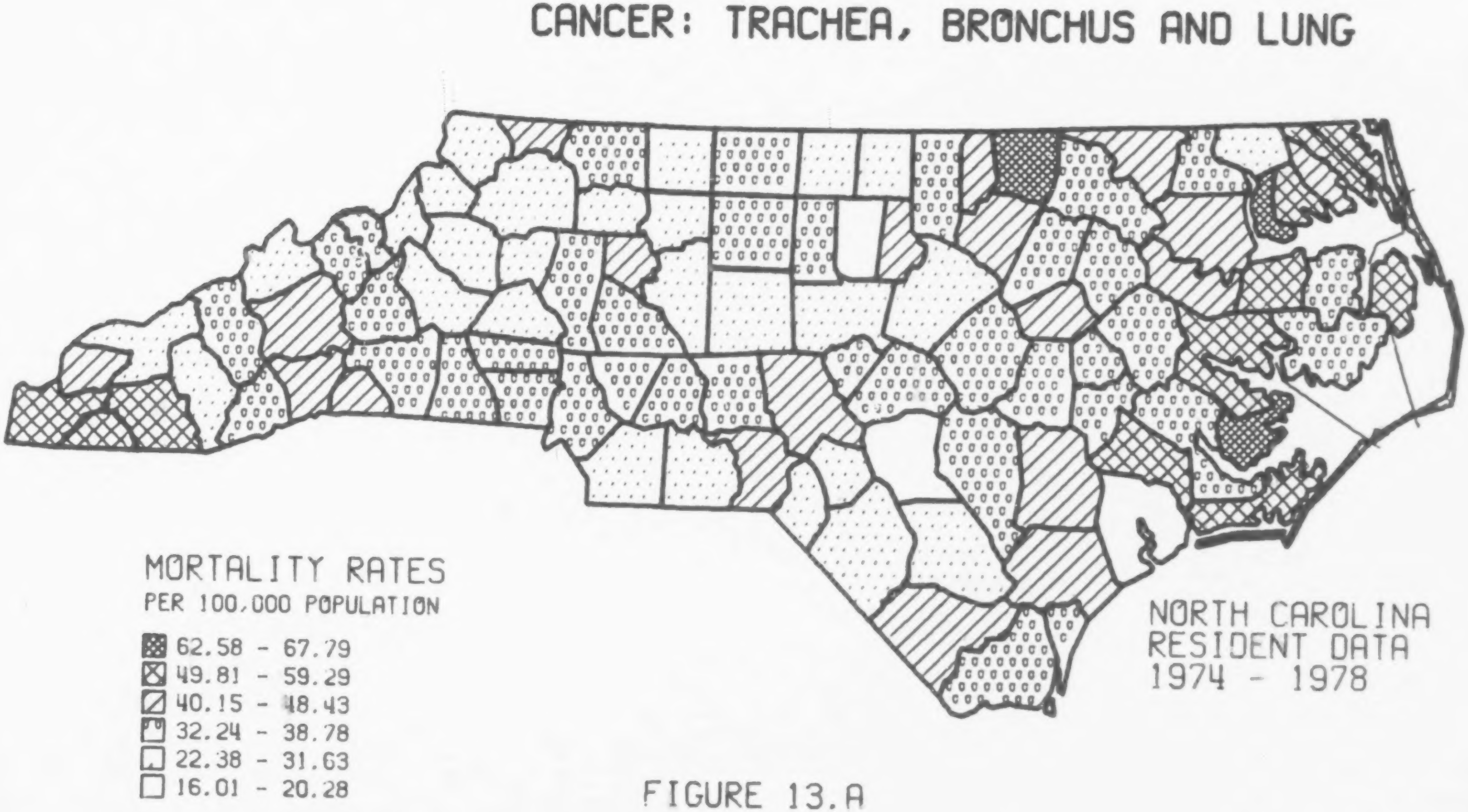
*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
CANCER OF THE TRACHEA, BRONCHUS AND LUNG CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	18	32.45	106	38.37	35.58
43 HARNETT	17	30.51	99	36.39	36.36
44 HAYWOOD	16	35.84	78	35.55	33.01
45 HENDERSON	29	56.15	115	46.33	35.07
46 HERTFORD	6	23.99	43	35.65	37.30
47 HOKE	6	31.86	24	26.85	25.90
48 HYDE	3	54.63	10	36.12	33.47
49 IREDELL	30	37.82	134	34.30	31.07
50 JACKSON	8	31.49	32	25.83	25.31
51 JOHNSTON	35	52.48	127	38.78	35.57
52 JONES	5	50.99	27	56.34	51.11
53 LEE	10	28.50	57	33.61	33.41
54 LENOIR	22	37.44	103	34.93	34.61
55 LINCOLN	8	20.55	65	34.63	30.75
56 MCDOWELL	15	43.96	56	33.33	31.10
57 MACON	11	57.23	49	53.39	36.37
58 MADISON	4	23.25	20	23.61	12.75
59 MARTIN	17	66.98	58	46.12	47.10
60 MECKLENBURG	153	39.77	621	32.91	39.19
61 MITCHELL	1	7.10	27	38.71	22.37
62 MONTGOMERY	8	40.25	36	36.73	31.81
63 MOORE	24	53.71	89	41.38	34.64
64 NASH	28	41.56	107	32.61	31.56
65 NEW HANOVER	45	46.04	185	38.44	40.28
66 NORTHAMPTON	13	55.60	50	43.21	31.51
67 ONSLOW	26	22.11	86	16.01	40.31
68 ORANGE	12	17.25	69	20.09	29.27
69 PAMLICO	9	90.31	30	62.57	52.90
70 PASQUOTANK	16	55.61	68	48.08	43.08
71 PENDER	10	45.14	51	48.27	42.83
72 PERQUIMANS	2	22.76	23	54.08	38.91
73 PERSON	7	25.80	42	31.10	28.62
74 PITT	22	26.97	131	33.19	39.33
75 POLK	3	24.12	28	44.40	26.44
76 RANDOLPH	27	31.87	122	29.38	27.55
77 RICHMOND	25	58.41	88	42.39	39.63
78 ROBESON	30	31.95	130	27.95	35.86
79 ROCKINGHAM	39	50.93	143	37.30	32.34
80 ROWAN	40	42.78	177	38.15	30.43
81 RUTHERFORD	24	46.51	86	33.91	27.90
82 SAMPSON	20	40.70	86	35.64	30.90
83 SCOTLAND	15	48.34	42	28.19	36.45
84 STANLY	24	53.11	86	38.32	35.26
85 STOKES	9	29.97	42	29.16	27.30
86 SURRY	21	37.51	89	32.23	29.59
87 SWAIN	4	39.26	15	30.04	25.83
88 TRANSYLVANIA	7	31.88	36	33.61	27.02
89 TYRRELL	3	74.14	7	35.96	27.45
90 UNION	15	22.97	72	22.79	23.57
91 VANCE	17	49.50	82	48.42	46.87
92 WAKE	93	33.39	379	28.17	35.65
93 WARREN	9	52.64	54	64.70	50.52
94 WASHINGTON	11	72.81	37	50.86	52.32
95 WATAUGA	6	20.89	32	22.38	30.47
96 WAYNE	32	34.41	147	32.39	39.87
97 WILKES	17	30.51	74	27.15	26.29
98 WILSON	30	49.33	121	40.14	39.14
99 YADKIN	11	40.73	41	30.52	24.55
100 YANCEY	7	47.82	23	32.46	51.26

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

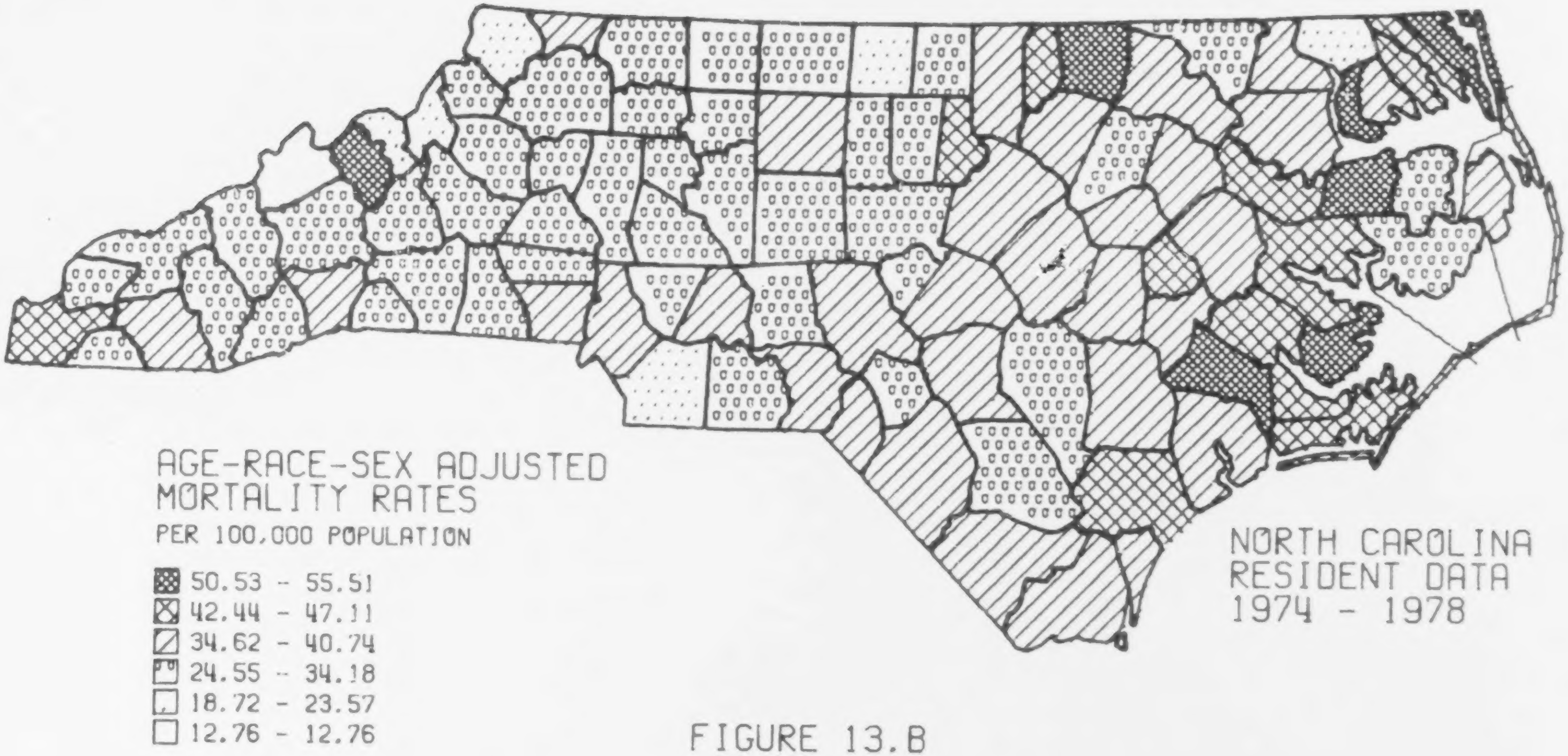


CANCER: TRACHEA, BRONCHUS AND LUNG

MORTALITY RATES
PER 100,000 POPULATION
▩ 62.58 - 67.79
☒ 49.81 - 59.29
▨ 40.15 - 48.43
▤ 32.24 - 38.78
☐ 22.38 - 31.63
☐ 16.01 - 20.28
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 13.A

CANCER: TRACHEA, BRONCHUS AND LUNG



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- ▩ 50.53 - 55.51
- ☒ 42.44 - 47.11
- ▨ 34.62 - 40.74
- ▦ 24.55 - 34.18
- ⬚ 18.72 - 23.57
- ☐ 12.76 - 12.76

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 13.B

TABLE 14

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

FEMALE BREAST CANCER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	746	25.98	3505	24.88	24.88
REGIONS					
DHR I WESTERN	266	26.91	1237	25.44	24.24
DHR II N. CENTRAL	164	26.18	780	25.22	24.55
DHR III S. CENTRAL	167	26.13	781	25.04	27.88
DHR IV EASTERN	149	24.14	707	23.49	24.11
HSA I WESTERN	133	26.78	638	26.13	23.20
HSA II PIEDMONT	143	25.83	688	25.17	24.94
HSA III S. PIEDMONT	133	27.04	599	24.74	24.82
HSA IV CAPITAL	115	29.06	532	27.58	28.97
HSA V CARDINAL	107	25.36	447	21.58	23.68
HSA VI EASTERN	115	22.49	601	24.14	24.85
COUNTIES					
1 ALAMANCE	19	36.99	94	36.37	33.28
2 ALEXANDER	2	17.34	14	24.88	26.24
3 ALLEGHANY	1	21.46	8	34.60	23.47
4 ANSON	2	16.06	13	20.70	16.45
5 ASHE	2	18.73	17	32.71	50.99
6 AVERY	3	43.59	7	20.06	14.28
7 BEAUFORT	4	18.87	21	20.55	17.61
8 BERTIE	3	26.31	12	21.46	21.44
9 BLADEN	6	39.80	15	20.21	18.48
10 BRUNSWICK	3	18.14	13	15.65	16.18
11 BUNCOMBE	34	41.64	137	34.21	26.84
12 BURKE	10	30.47	46	27.74	26.11
13 CABARRUS	8	19.16	42	20.39	18.68
14 CALDWELL	2	6.34	32	20.49	20.57
15 CAMDEN	3	98.32	5	33.10	30.57
16 CARTERET	6	31.92	25	27.19	31.09
17 CASWELL	5	49.87	11	22.06	18.69
18 CATAWBA	14	26.74	61	23.65	25.14
19 CHATHAM	2	12.62	24	30.98	28.66
20 CHEROKEE	3	32.31	13	28.71	19.79
21 CHOWAN	2	31.71	10	33.79	32.75
22 CLAY	0	0.00	2	13.46	8.94
23 CLEVELAND	13	32.15	48	23.85	23.74
24 COLUMBUS	11	40.94	26	19.67	19.57
25 CRAVEN	5	15.35	29	17.76	22.14
26 CUMBERLAND	18	17.42	84	16.46	26.94
27 CURRITUCK	0	0.00	10	38.86	38.61
28 DARE	4	72.71	9	35.87	24.26
29 DAVIDSON	12	22.83	52	20.07	22.47
30 DAVIE	1	8.55	12	21.51	17.97
31 DUPLIN	3	14.28	24	23.06	21.87
32 DURHAM	22	28.44	113	29.94	30.49
33 EDGECOMBE	5	16.95	35	24.33	22.91
34 FORSYTH	36	29.43	151	25.03	25.24
35 FRANKLIN	4	26.96	19	25.75	23.23
36 GASTON	15	18.47	81	19.95	19.94
37 GATES	1	24.14	9	43.23	23.90
38 GRAHAM	1	28.37	3	17.87	12.61
39 GRANVILLE	3	18.02	19	22.82	19.95
40 GREENE	2	25.92	11	28.38	35.23
41 GUILFORD	41	25.16	217	26.98	27.70

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
FEMALE BREAST CANCER CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	8	27.37	43	29.65	27.26
43 HARNETT	10	35.28	36	26.01	25.91
44 HAYWOOD	6	25.94	27	23.79	16.27
45 HENDERSON	7	25.85	33	25.37	15.26
46 HERTFORD	1	7.56	17	26.75	27.47
47 HOKE	1	10.75	7	15.78	26.28
48 HYDE	1	34.98	4	27.85	26.52
49 IREDELL	12	28.94	51	25.02	24.00
50 JACKSON	1	7.76	18	28.70	26.87
51 JOHNSTON	14	39.92	48	27.98	25.65
52 JONES	3	58.91	5	20.18	21.25
53 LEE	5	27.07	26	29.23	29.14
54 LENOIR	9	28.77	43	27.44	28.18
55 LINCOLN	3	14.97	22	22.79	21.34
56 MCDOWELL	4	22.51	17	19.48	17.54
57 MACON	3	29.94	18	37.81	36.15
58 MADISON	5	55.66	13	29.57	18.29
59 MARTIN	2	14.89	12	18.12	19.40
60 MECKLENBURG	58	28.70	249	25.14	28.38
61 MITCHELL	3	41.03	12	33.21	20.34
62 MONTGOMERY	4	38.69	24	47.17	38.31
63 MOORE	4	16.96	33	29.13	25.27
64 NASH	8	22.48	38	22.00	21.87
65 NEW HANOVER	19	37.10	59	23.42	24.13
66 NORTHAMPTON	5	42.23	20	34.10	27.79
67 ONSLOW	9	19.87	22	10.66	19.90
68 ORANGE	7	20.38	33	19.59	24.71
69 PAMLICO	1	19.15	3	11.96	8.86
70 PASQUOTANK	6	40.20	25	34.10	32.67
71 PENDER	1	8.91	8	14.92	14.65
72 PERQUIMANS	3	65.28	10	45.14	37.15
73 PERSON	5	35.44	16	22.86	21.86
74 PITT	8	18.61	53	25.53	29.18
75 POLK	2	29.57	15	43.95	31.75
76 RANDOLPH	8	18.37	46	21.58	19.49
77 RICHMOND	10	44.49	25	22.99	21.29
78 ROBESON	11	22.45	52	21.45	23.66
79 ROCKINGHAM	5	12.36	52	25.78	23.33
80 ROWAN	22	45.12	82	33.97	29.46
81 RUTHERFORD	5	18.46	41	30.89	25.73
82 SAMPSON	4	15.47	30	23.75	22.02
83 SCOTLAND	3	18.32	22	28.06	35.79
84 STANLY	9	38.29	39	33.49	29.24
85 STOKES	2	13.03	12	16.32	18.71
86 SURRY	9	30.80	26	18.08	15.55
87 SWAIN	0	0.00	2	8.09	7.65
88 TRANSYLVANIA	7	63.09	16	29.60	24.69
89 TYRRELL	1	46.42	4	38.93	38.86
90 UNION	6	18.13	33	20.60	21.42
91 VANCE	6	33.11	27	30.27	24.90
92 WAKE	44	30.99	196	28.59	33.64
93 WARREN	3	33.44	11	25.19	27.36
94 WASHINGTON	0	0.00	5	13.56	13.89
95 WATAUGA	3	20.14	16	21.58	21.61
96 WAYNE	5	10.51	51	22.03	24.12
97 WILKES	1	3.50	13	9.32	7.63
98 WILSON	7	21.95	46	29.16	29.52
99 YADKIN	5	35.33	15	21.42	15.61
100 YANCEY	1	13.38	9	24.92	16.69

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

FEMALE BREAST CANCER

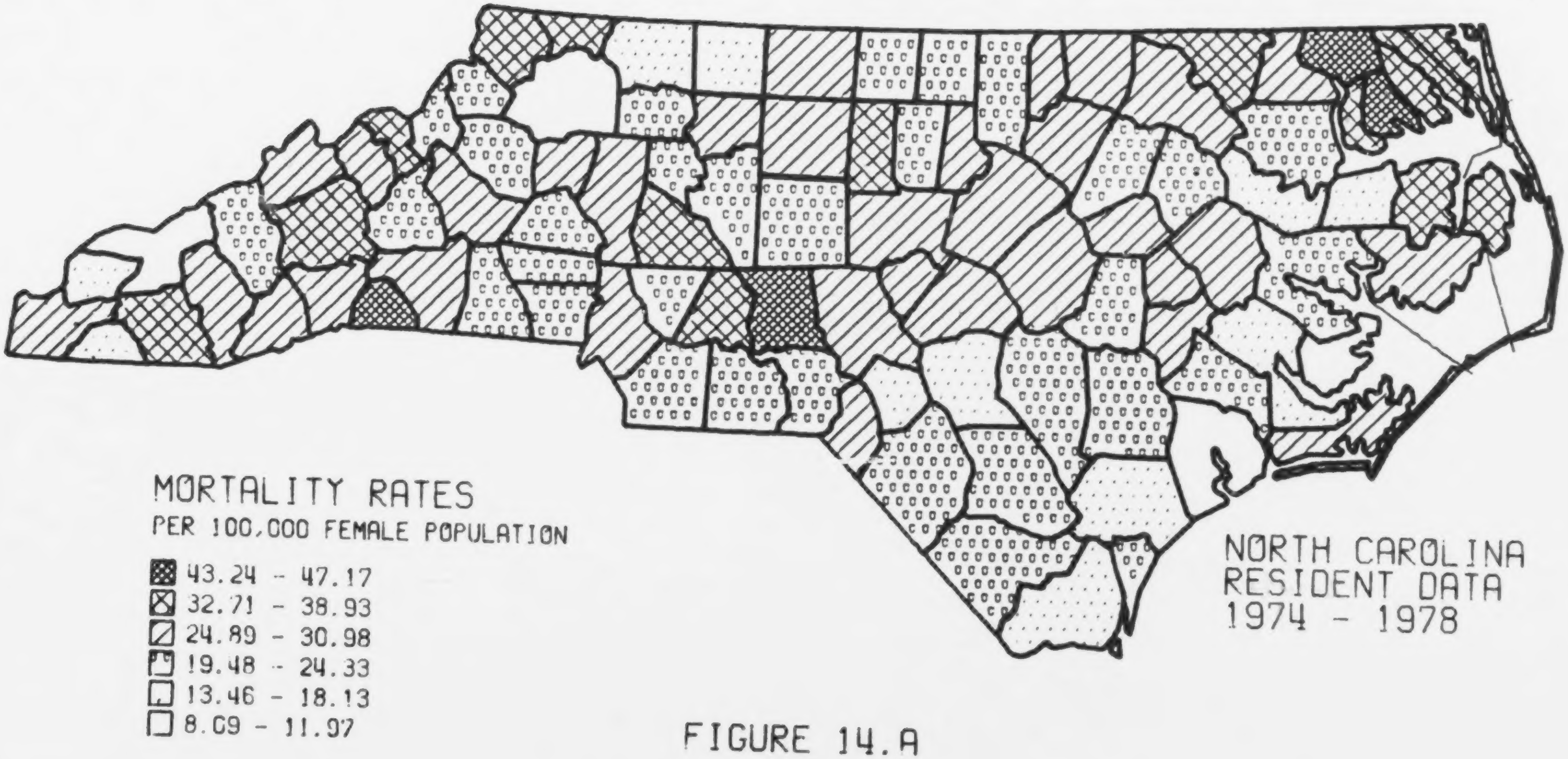

MORTALITY RATES
PER 100,000 FEMALE POPULATION
▦ 43.24 - 47.17
☒ 32.71 - 38.93
▨ 24.89 - 30.98
▤ 19.48 - 24.33
☐ 13.46 - 18.13
☐ 8.09 - 11.97
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 14.A

FEMALE BREAST CANCER

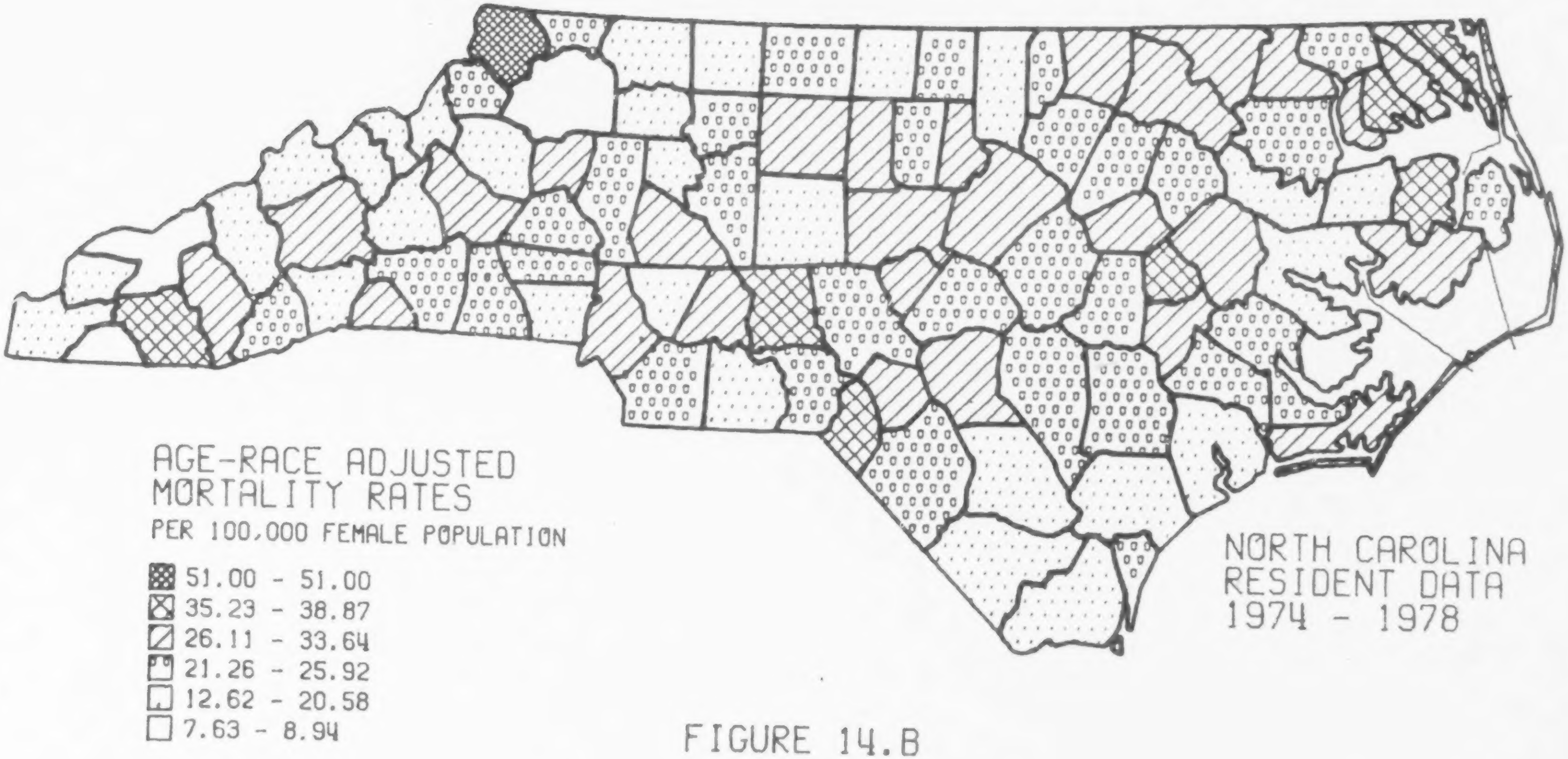

AGE-RACE ADJUSTED
MORTALITY RATES
PER 100,000 FEMALE POPULATION
▩ 51.00 - 51.00
☒ 35.23 - 38.87
▨ 26.11 - 33.64
▦ 21.26 - 25.92
▤ 12.62 - 20.58
☐ 7.63 - 8.94
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 14.B

TABLE 15

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

CANCER OF THE CERVIX UTERI

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	149	5.19	838	5.95	5.95
REGIONS					
DHR I WESTERN	51	5.16	251	5.16	5.75
DHR II N. CENTRAL	21	3.35	167	5.40	5.45
DHR III S. CENTRAL	34	5.32	181	5.80	5.80
DHR IV EASTERN	43	6.96	239	7.94	6.77
HSA I WESTERN	24	4.83	122	4.99	5.52
HSA II PIEDMONT	17	3.07	140	5.12	5.47
HSA III S. PIEDMONT	27	5.48	129	5.32	5.75
HSA IV CAPITAL	18	4.54	94	4.87	4.61
HSA V CARDINAL	26	6.16	154	7.43	7.29
HSA VI EASTERN	37	7.23	199	7.99	6.68
COUNTIES					
1 ALAMANCE	2	3.89	10	3.86	4.55
2 ALEXANDER	0	0.00	2	3.55	3.24
3 ALLEGHANY	0	0.00	1	4.32	2.97
4 ANSON	2	16.06	5	7.96	5.64
5 ASHE	0	0.00	1	1.92	1.41
6 AVERY	1	14.53	1	2.86	2.29
7 BEAUFORT	1	4.71	10	9.78	6.82
8 BERTIE	2	17.54	4	7.15	6.76
9 BLADEN	0	0.00	5	6.73	7.16
10 BRUNSWICK	1	6.04	5	6.02	5.83
11 BUNCOMBE	3	3.67	14	3.49	2.84
12 BURKE	1	3.04	8	4.82	4.06
13 CABARRUS	2	4.79	14	6.79	6.68
14 CALDWELL	1	3.17	12	7.68	8.85
15 CAMDEN	0	0.00	1	6.62	4.32
16 CARTERET	3	15.96	8	8.70	10.96
17 CASWELL	2	19.94	7	14.03	8.76
18 CATAWBA	1	1.91	12	4.65	6.40
19 CHATHAM	2	12.62	4	5.16	5.05
20 CHEROKEE	0	0.00	1	2.20	1.77
21 CHOWAN	0	0.00	4	13.51	6.63
22 CLAY	1	31.15	1	6.73	4.73
23 CLEVELAND	6	14.83	14	6.95	7.92
24 COLUMBUS	0	0.00	11	8.32	6.86
25 CRAVEN	1	3.07	8	4.89	5.37
26 CUMBERLAND	7	6.77	33	6.46	8.83
27 CURRITUCK	0	0.00	1	3.88	4.14
28 DARE	0	0.00	0	0.00	0.00
29 DAVIDSON	3	5.70	11	4.24	4.75
30 DAVIE	0	0.00	5	8.96	7.43
31 DUPLIN	1	4.76	7	6.72	5.82
32 DURHAM	3	3.87	16	4.24	3.54
33 EDGECOMBE	2	6.78	14	9.73	8.62
34 FORSYTH	2	1.63	34	5.63	5.50
35 FRANKLIN	1	6.74	1	1.35	0.82
36 GASTON	8	9.85	29	7.14	6.90
37 GATES	1	24.14	2	9.60	6.19
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	0	0.00	6	7.20	5.44
40 GREENE	0	0.00	1	2.58	2.82
41 GUILFORD	5	3.06	35	4.35	4.56

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
CANCER OF THE CERVIX UTERI CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	1	3.42	14	9.65	5.72
43 HARNETT	0	0.00	8	5.78	6.19
44 HAYWOOD	1	4.32	10	8.81	11.57
45 HENDERSON	2	7.38	5	3.84	6.09
46 HERTFORD	2	15.12	10	15.73	8.05
47 HOKE	1	10.75	5	11.27	9.39
48 HYDE	0	0.00	1	6.96	3.45
49 IREDELL	0	0.00	6	2.94	2.79
50 JACKSON	1	7.76	6	9.56	10.98
51 JOHNSTON	0	0.00	11	6.41	6.47
52 JONES	0	0.00	2	8.07	7.61
53 LEE	0	0.00	2	2.24	2.18
54 LENOIR	2	6.39	15	9.57	7.56
55 LINCOLN	2	9.98	5	5.17	9.74
56 MCDOWELL	1	5.62	4	4.58	3.49
57 MACON	0	0.00	1	2.10	1.14
58 MADISON	0	0.00	1	2.27	1.24
59 MARTIN	1	7.44	6	9.06	5.36
60 MECKLENBURG	11	5.44	52	5.25	5.58
61 MITCHELL	1	13.67	3	8.30	5.72
62 MONTGOMERY	1	9.67	2	3.93	2.92
63 MOORE	0	0.00	6	5.29	4.62
64 NASH	2	5.62	11	6.36	5.10
65 NEW HANOVER	4	7.81	21	8.33	8.18
66 NORTHAMPTON	0	0.00	1	1.70	0.58
67 ONSLOW	5	11.04	12	5.81	9.71
68 ORANGE	2	5.82	7	4.15	4.47
69 PAMLICO	0	0.00	4	15.95	9.66
70 PASQUOTANK	2	13.40	5	6.82	4.57
71 PENDER	1	8.91	3	5.59	4.88
72 PERQUIMANS	0	0.00	2	9.02	7.34
73 PERSON	1	7.08	6	8.57	8.02
74 PITT	2	4.65	18	8.67	6.96
75 POLK	0	0.00	1	2.93	3.62
76 RANDOLPH	1	2.29	7	3.28	2.79
77 RICHMOND	3	13.34	15	13.79	13.53
78 ROBESON	3	6.12	23	9.49	8.71
79 ROCKINGHAM	0	0.00	16	7.93	7.28
80 ROWAN	2	4.10	12	4.97	4.79
81 RUTHERFORD	2	7.38	7	5.27	4.02
82 SAMPSON	3	11.60	7	5.54	4.90
83 SCOTLAND	0	0.00	5	6.37	5.64
84 STANLY	1	4.25	4	3.43	4.52
85 STOKES	0	0.00	1	1.36	1.15
86 SURRY	2	6.84	9	6.26	4.69
87 SWAIN	0	0.00	1	4.04	4.54
88 TRANSYLVANIA	0	0.00	3	5.55	4.59
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	1	3.02	7	4.37	5.10
91 VANCE	2	11.03	10	11.21	9.21
92 WAKE	7	4.93	27	3.93	4.26
93 WARREN	0	0.00	4	9.16	2.63
94 WASHINGTON	0	0.00	2	5.42	5.01
95 WATAUGA	0	0.00	1	1.34	1.37
96 WAYNE	4	8.40	16	6.91	6.82
97 WILKES	1	3.50	9	6.45	5.07
98 WILSON	5	15.68	20	12.68	10.42
99 YADKIN	0	0.00	5	7.14	14.22
100 YANCEY	1	13.38	3	8.30	5.52

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

CANCER OF THE CERVIX UTERI

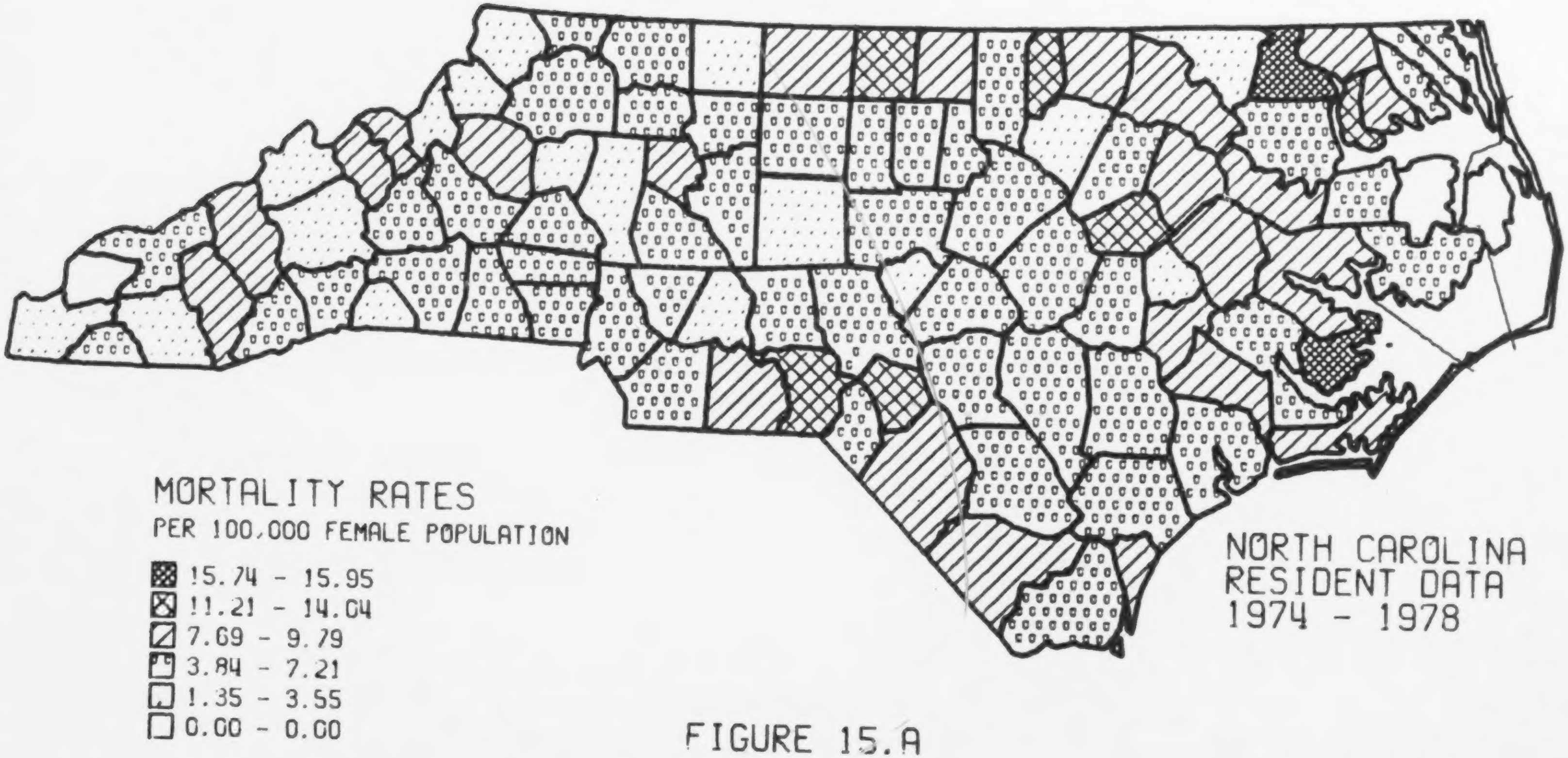
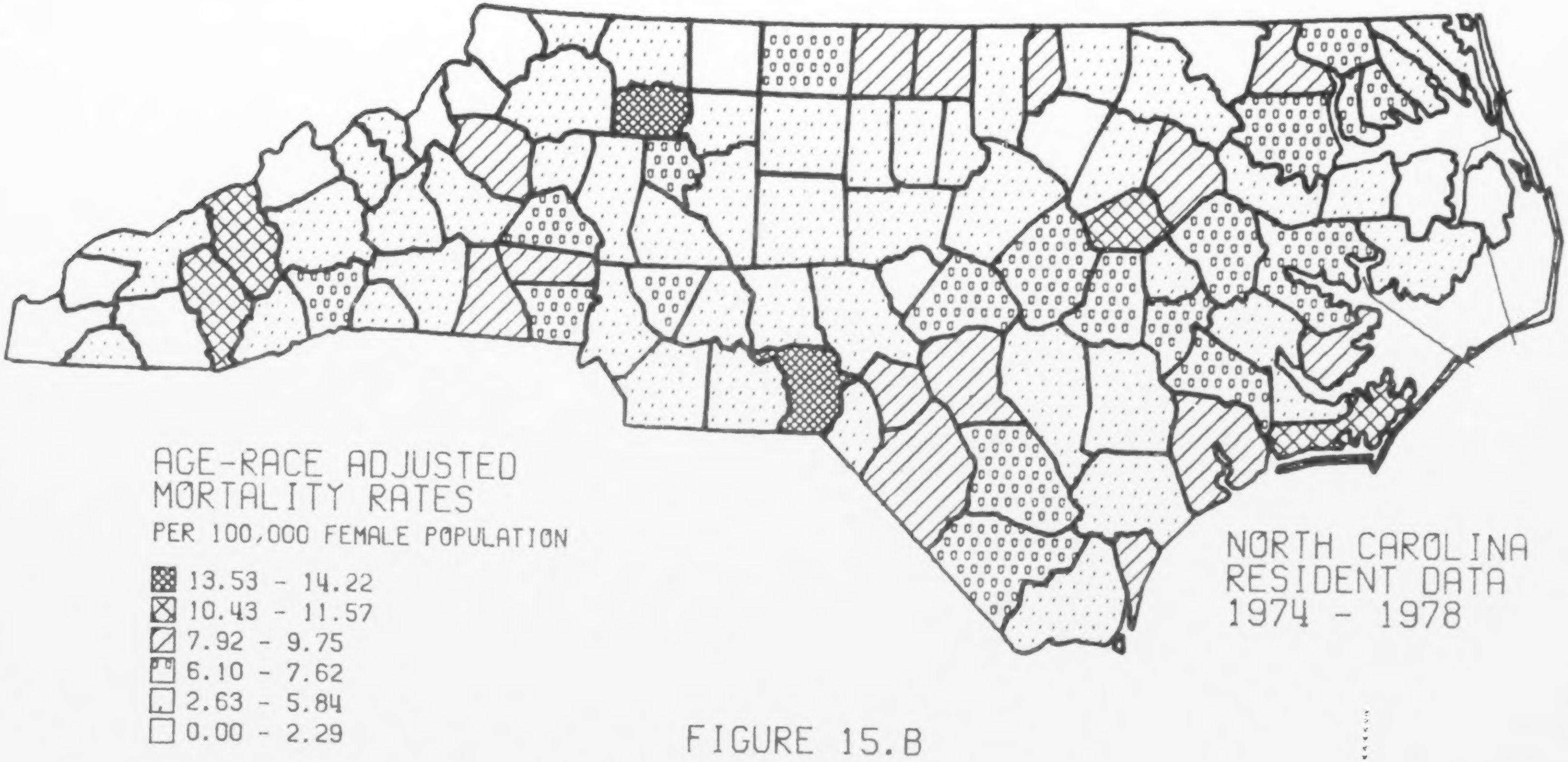

MORTALITY RATES
PER 100,000 FEMALE POPULATION
▩ 15.74 - 15.95
☒ 11.21 - 14.04
▨ 7.69 - 9.79
▦ 3.84 - 7.21
☐ 1.35 - 3.55
☐ 0.00 - 0.00
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 15.A

CANCER OF THE CERVIX UTERI



AGE-RACE ADJUSTED
MORTALITY RATES
PER 100,000 FEMALE POPULATION

- ▩ 13.53 - 14.22
- ⊠ 10.43 - 11.57
- ▨ 7.92 - 9.75
- ▣ 6.10 - 7.62
- ⬚ 2.63 - 5.84
- □ 0.00 - 2.29

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 15.B

TABLE 16

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

CANCER OF THE OVARY

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	233	8.11	1059	7.52	7.52
REGIONS					
DHR I WESTERN	85	8.60	385	7.91	7.52
DHR II N. CENTRAL	53	8.46	261	8.44	8.10
DHR III S. CENTRAL	52	8.13	187	5.99	6.89
DHR IV EASTERN	43	6.96	226	7.50	7.78
HSA I WESTERN	46	9.26	210	8.60	8.08
HSA II PIEDMONT	50	9.03	239	8.74	8.43
HSA III S. PIEDMONT	39	7.92	175	7.23	7.17
HSA IV CAPITAL	29	7.32	120	6.22	6.71
HSA V CARDINAL	34	8.05	126	6.08	6.92
HSA VI EASTERN	35	6.84	189	7.59	7.88
COUNTIES					
1 ALAMANCE	8	15.57	32	12.38	10.98
2 ALEXANDER	3	26.01	7	12.44	15.43
3 ALLEGHANY	0	0.00	1	4.32	2.28
4 ANSON	2	16.06	3	4.77	3.94
5 ASHE	1	9.36	2	3.84	2.84
6 AVERY	1	14.53	3	8.59	6.59
7 BEAUFORT	1	4.71	13	12.72	10.32
8 BERTIE	2	17.54	3	5.36	4.53
9 BLADEN	2	13.26	7	9.43	11.11
10 BRUNSWICK	1	6.04	8	9.63	10.55
11 BUNCOMBE	4	4.89	36	8.99	7.16
12 BURKE	7	21.33	19	11.46	11.91
13 CABARRUS	1	2.39	16	7.77	6.82
14 CALDWELL	4	12.69	10	6.40	11.92
15 CAMDEN	0	0.00	0	0.00	0.00
16 CARTERET	0	0.00	6	6.52	5.51
17 CASWELL	0	0.00	1	2.00	2.64
18 CATAWBA	4	7.64	20	7.75	7.70
19 CHATHAM	1	6.31	5	6.45	6.21
20 CHEROKEE	0	0.00	1	2.20	1.37
21 CHOWAN	0	0.00	0	0.00	0.00
22 CLAY	0	0.00	2	13.46	7.07
23 CLEVELAND	4	9.89	16	7.95	7.95
24 COLUMBUS	2	7.44	8	6.05	6.29
25 CRAVEN	4	12.28	16	9.79	12.01
26 CUMBERLAND	6	5.80	28	5.48	9.58
27 CURRITUCK	0	0.00	3	11.65	10.79
28 DARE	1	18.17	2	7.97	6.61
29 DAVIDSON	5	9.51	25	9.65	9.28
30 DAVIE	2	17.11	6	10.75	8.99
31 DUPLIN	1	4.76	8	7.68	7.86
32 DURHAM	8	10.34	28	7.42	7.82
33 EDGECOMBE	2	6.78	8	5.56	4.53
34 FORSYTH	12	9.81	53	8.78	8.86
35 FRANKLIN	2	13.48	8	10.84	9.74
36 GASTON	6	7.38	29	7.14	6.82
37 GATES	0	0.00	1	4.80	5.39
38 GRAHAM	0	0.00	1	5.95	4.67
39 GRANVILLE	1	6.00	6	7.20	7.04
40 GREENE	0	0.00	5	12.90	14.21
41 GUILFORD	13	7.97	70	8.70	8.92

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

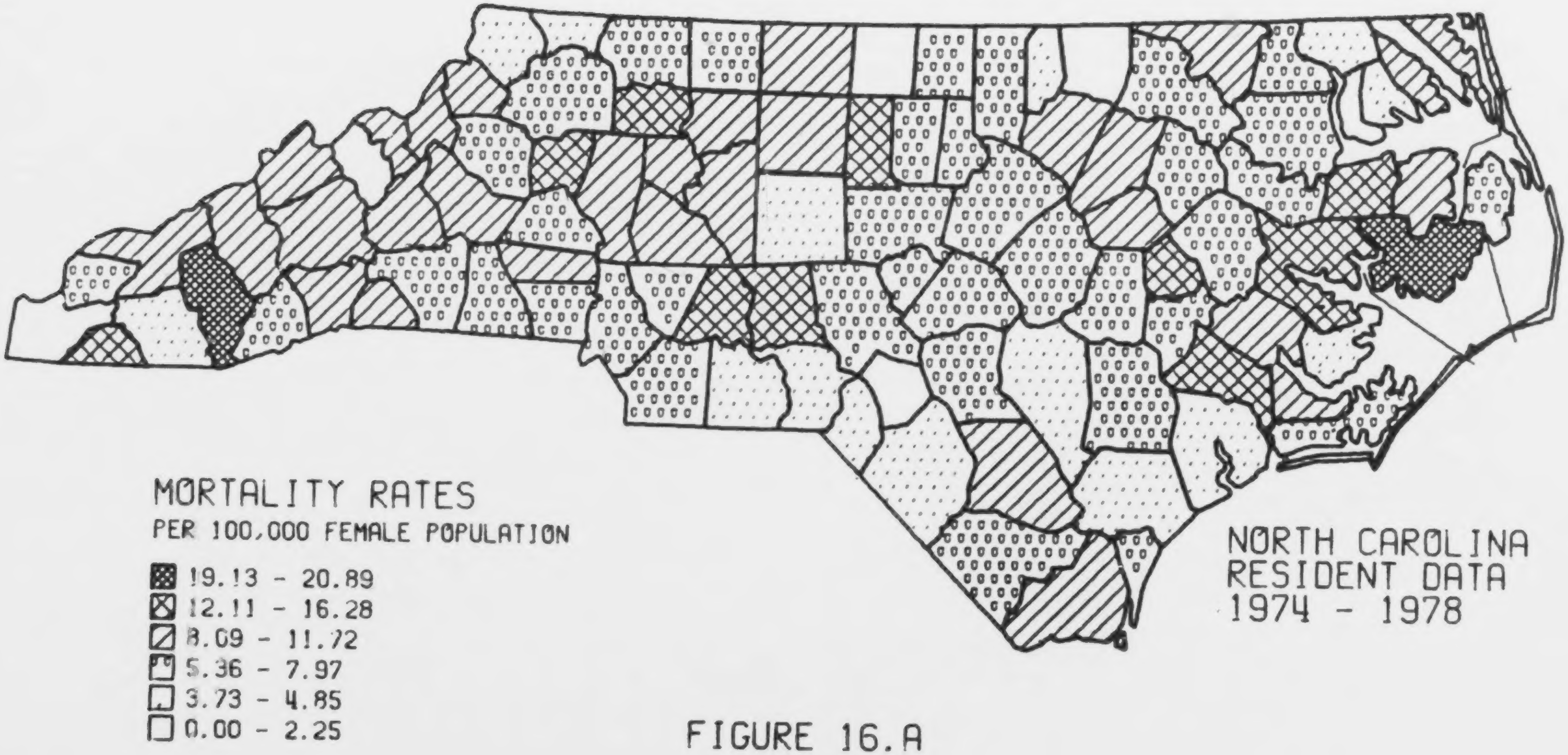
MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
CANCER OF THE OVARY CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	0	0.00	10	6.89	5.86
43 HARNETT	2	7.05	11	7.94	7.78
44 HAYWOOD	2	8.64	12	10.57	7.56
45 HENDERSON	2	7.38	15	11.53	7.28
46 HERTFORD	0	0.00	5	7.86	7.52
47 HOKE	0	0.00	1	2.25	3.73
48 HYDE	0	0.00	3	20.89	22.29
49 IREDELL	5	12.05	17	8.34	7.93
50 JACKSON	2	15.52	12	19.13	24.99
51 JOHNSTON	3	8.55	12	6.99	6.41
52 JONES	3	58.91	3	12.11	7.06
53 LEE	2	10.82	5	5.62	5.75
54 LENOIR	3	9.59	12	7.65	8.70
55 LINCOLN	1	4.99	8	8.28	7.40
56 MCDOWELL	1	5.62	9	10.31	12.64
57 MACON	0	0.00	2	4.20	2.46
58 MADISON	0	0.00	4	9.09	5.46
59 MARTIN	1	7.44	4	6.04	6.28
60 MECKLENBURG	16	7.91	56	5.65	6.52
61 MITCHELL	0	0.00	4	11.07	5.97
62 MONTGOMERY	2	19.34	8	15.72	13.94
63 MOORE	3	12.72	7	6.18	5.74
64 NASH	3	8.43	14	8.10	8.14
65 NEW HANOVER	5	9.76	19	7.54	7.42
66 NORTHAMPTON	1	8.44	5	8.52	5.36
67 ONSLOW	1	2.20	10	4.84	8.87
68 ORANGE	0	0.00	11	6.53	8.91
69 PAMLICO	0	0.00	1	3.98	2.73
70 PASQUOTANK	2	13.40	6	8.18	7.48
71 PENDER	0	0.00	2	3.73	4.18
72 PERQUIMANS	1	21.76	1	4.51	4.53
73 PERSON	0	0.00	4	5.71	5.56
74 PITT	2	4.65	12	5.78	7.28
75 POLK	2	29.57	4	11.72	6.81
76 RANDOLPH	1	2.29	9	4.22	3.45
77 RICHMOND	1	4.44	5	4.59	3.71
78 ROBESON	2	4.08	10	4.12	5.83
79 ROCKINGHAM	3	7.42	20	9.91	9.10
80 ROWAN	4	8.20	22	9.11	7.72
81 RUTHERFORD	3	11.07	9	6.78	7.12
82 SAMPSON	4	15.47	6	4.75	4.72
83 SCOTLAND	2	12.21	3	3.82	5.10
84 STANLY	4	17.02	16	13.74	12.31
85 STOKES	1	6.51	4	5.44	4.68
86 SURRY	1	3.42	9	6.26	4.70
87 SWAIN	2	39.76	2	8.09	7.09
88 TRANSYLVANIA	2	18.02	4	7.40	6.12
89 TYRRELL	0	0.00	1	9.73	7.73
90 UNION	2	6.04	11	6.86	7.00
91 VANCE	0	0.00	4	4.48	3.04
92 WAKE	12	8.45	37	5.39	6.56
93 WARREN	0	0.00	0	0.00	0.00
94 WASHINGTON	0	0.00	6	16.28	17.73
95 WATAUGA	1	6.71	7	9.44	9.65
96 WAYNE	5	10.51	18	7.77	8.49
97 WILKES	1	3.50	8	5.74	4.63
98 WILSON	2	6.27	13	8.24	8.82
99 YADKIN	4	28.26	10	14.28	10.44
100 YANCEY	0	0.00	0	0.00	0.00

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CANCER OF THE OVARY


MORTALITY RATES
PER 100,000 FEMALE POPULATION
▩ 19.13 - 20.89
☒ 12.11 - 16.28
▨ 8.09 - 11.72
▤ 5.36 - 7.97
░ 3.73 - 4.85
☐ 0.00 - 2.25

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 16.A

CANCER OF THE OVARY

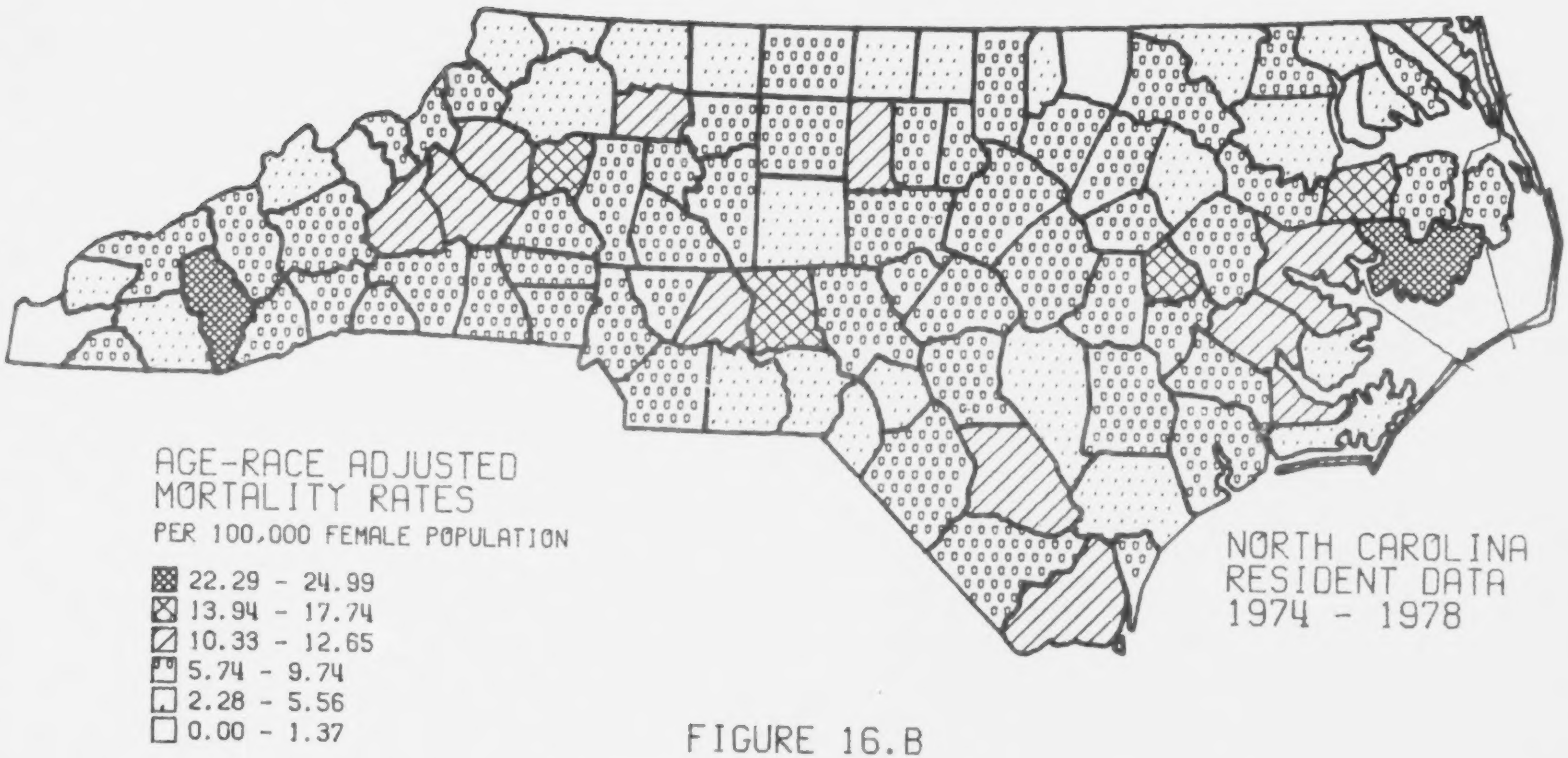

AGE-RACE ADJUSTED
MORTALITY RATES
PER 100,000 FEMALE POPULATION
▩ 22.29 - 24.99
☒ 13.94 - 17.74
▨ 10.33 - 12.65
▦ 5.74 - 9.74
▤ 2.28 - 5.56
☐ 0.00 - 1.37
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 16.B

TABLE 17

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

CANCER OF THE PROSTATE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	569	21.02	2593	19.47	19.47
REGIONS					
DHR I WESTERN	196	21.52	875	19.48	19.19
DHR II N. CENTRAL	119	21.05	567	20.20	19.62
DHR III S. CENTRAL	123	19.54	544	17.63	19.94
DHR IV EASTERN	131	21.80	607	20.68	18.80
HSA I WESTERN	111	24.13	482	21.24	18.76
HSA II PIEDMONT	94	18.85	483	19.52	20.18
HSA III S. PIEDMONT	85	18.85	393	17.68	19.58
HSA IV CAPITAL	80	21.60	343	18.92	19.10
HSA V CARDINAL	89	20.97	372	17.80	19.15
HSA VI EASTERN	110	21.88	520	21.22	19.35
COUNTIES					
1 ALAMANCE	11	23.57	58	24.54	25.13
2 ALEXANDER	1	9.03	17	31.44	42.45
3 ALLEGHANY	1	24.09	12	57.66	27.30
4 ANSON	3	27.02	16	28.37	16.58
5 ASHE	3	29.75	19	38.49	18.37
6 AVERY	1	14.43	6	17.12	10.83
7 BEAUFORT	4	21.30	23	25.23	16.91
8 BERTIE	0	0.00	11	22.44	7.53
9 BLADEN	3	21.17	16	22.87	18.20
10 BRUNSWICK	2	12.36	13	16.06	14.95
11 BUNCOMBE	18	24.73	91	25.43	19.48
12 BURKE	9	29.05	21	13.44	17.22
13 CABARRUS	8	21.07	40	21.29	21.37
14 CALDWELL	2	6.81	17	11.61	14.94
15 CAMDEN	2	74.21	7	51.75	33.46
16 CARTERET	2	10.97	10	11.23	15.13
17 CASWELL	3	31.19	15	31.22	20.61
18 CATAWBA	12	24.70	32	13.35	18.24
19 CHATHAM	4	26.36	21	28.23	23.50
20 CHEROKEE	1	11.88	8	19.31	25.11
21 CHOWAN	0	0.00	9	32.20	24.09
22 CLAY	1	35.71	7	52.82	146.41
23 CLEVELAND	9	23.74	37	19.61	20.76
24 COLUMBUS	7	28.29	30	24.55	20.85
25 CRAVEN	6	17.16	27	15.36	20.37
26 CUMBERLAND	12	9.23	54	8.39	21.62
27 CURRITUCK	2	38.48	12	48.26	38.83
28 DARE	2	39.00	7	29.91	17.63
29 DAVIDSON	3	5.97	27	10.89	13.24
30 DAVIE	3	27.88	12	23.15	23.43
31 DUPLIN	7	36.71	25	26.23	20.44
32 DURHAM	15	21.98	71	21.24	19.20
33 EDGECOMBE	8	30.71	42	32.78	20.29
34 FORSYTH	8	7.46	97	18.24	18.62
35 FRANKLIN	8	60.23	18	26.95	18.43
36 GASTON	16	21.40	50	13.35	14.76
37 GATES	2	48.61	9	43.54	28.14
38 GRAHAM	1	28.75	3	18.06	9.87
39 GRANVILLE	3	18.51	8	9.88	8.17
40 GREENE	0	0.00	4	11.07	12.48
41 GUILFORD	37	25.96	153	21.64	23.11

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
CANCER OF THE PROSTATE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	7	26.68	33	25.15	14.40
43 HARNETT	10	36.54	29	21.69	23.30
44 HAYWOOD	1	4.64	9	8.49	14.25
45 HENDERSON	11	44.78	46	38.93	25.73
46 HERTFORD	1	8.49	12	21.03	14.68
47 HOKE	1	10.49	7	15.54	17.47
48 HYDE	0	0.00	3	22.52	8.06
49 IREDELL	5	13.20	37	19.81	17.83
50 JACKSON	3	23.95	16	26.16	19.88
51 JOHNSTON	7	22.13	39	25.00	23.40
52 JONES	1	21.22	4	17.28	12.60
53 LEE	3	18.05	15	18.59	19.14
54 LENOIR	13	47.32	35	25.33	24.18
55 LINCOLN	1	5.29	18	19.74	22.05
56 MCDOWELL	2	12.23	11	13.62	9.13
57 MACON	5	54.33	16	36.21	14.34
58 MADISON	1	12.16	10	24.54	8.99
59 MARTIN	2	16.73	9	15.11	10.69
60 MECKLENBURG	36	19.71	146	16.28	21.17
61 MITCHELL	5	73.95	12	35.71	16.02
62 MONTGOMERY	5	52.44	18	38.20	28.94
63 MOORE	9	42.64	20	19.64	14.65
64 NASH	9	28.31	35	22.53	19.69
65 NEW HANOVER	7	15.04	30	13.08	13.23
66 NORTHAMPTON	5	43.32	14	24.54	16.12
67 ONSLOW	3	4.15	15	4.53	19.54
68 ORANGE	2	5.67	16	9.14	13.07
69 PAMLICO	3	63.23	8	34.98	19.16
70 PASQUOTANK	2	14.44	25	36.70	26.67
71 PENDER	5	45.70	14	26.90	20.56
72 PERQUIMANS	2	47.74	8	39.26	15.75
73 PERSON	6	46.06	16	24.59	21.02
74 PITT	13	33.67	47	25.11	25.88
75 POLK	2	35.26	10	34.55	21.19
76 RANDOLPH	4	9.71	26	12.86	11.28
77 RICHMOND	4	19.68	23	23.27	20.70
78 ROBESON	9	20.05	59	26.49	20.76
79 ROCKINGHAM	13	35.97	42	23.12	20.36
80 ROWAN	7	15.64	50	22.47	18.20
81 RUTHERFORD	6	24.47	26	21.51	16.57
82 SAMPSON	8	34.35	29	25.21	18.53
83 SCOTLAND	4	27.29	14	19.83	19.18
84 STANLY	7	32.27	22	20.37	23.15
85 STOKES	1	6.81	9	12.76	19.69
86 SURRY	8	29.89	25	18.89	15.17
87 SWAIN	1	19.38	4	15.86	11.44
88 TRANSYLVANIA	2	18.41	9	16.96	25.79
89 TYRRELL	0	0.00	2	21.76	12.03
90 UNION	5	15.53	30	19.27	21.22
91 VANCE	6	36.98	24	29.94	20.15
92 WAKE	24	17.57	97	14.70	19.25
93 WARREN	2	24.61	18	45.22	18.01
94 WASHINGTON	1	13.43	10	27.86	17.93
95 WATAUGA	2	14.47	14	20.34	16.12
96 WAYNE	12	26.42	46	20.69	25.23
97 WILKES	8	29.45	22	16.52	17.50
98 WILSON	1	3.45	28	19.49	17.49
99 YADKIN	3	23.33	19	29.55	39.12
100 YANCEY	3	41.86	7	20.15	10.77

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

CANCER OF THE PROSTATE

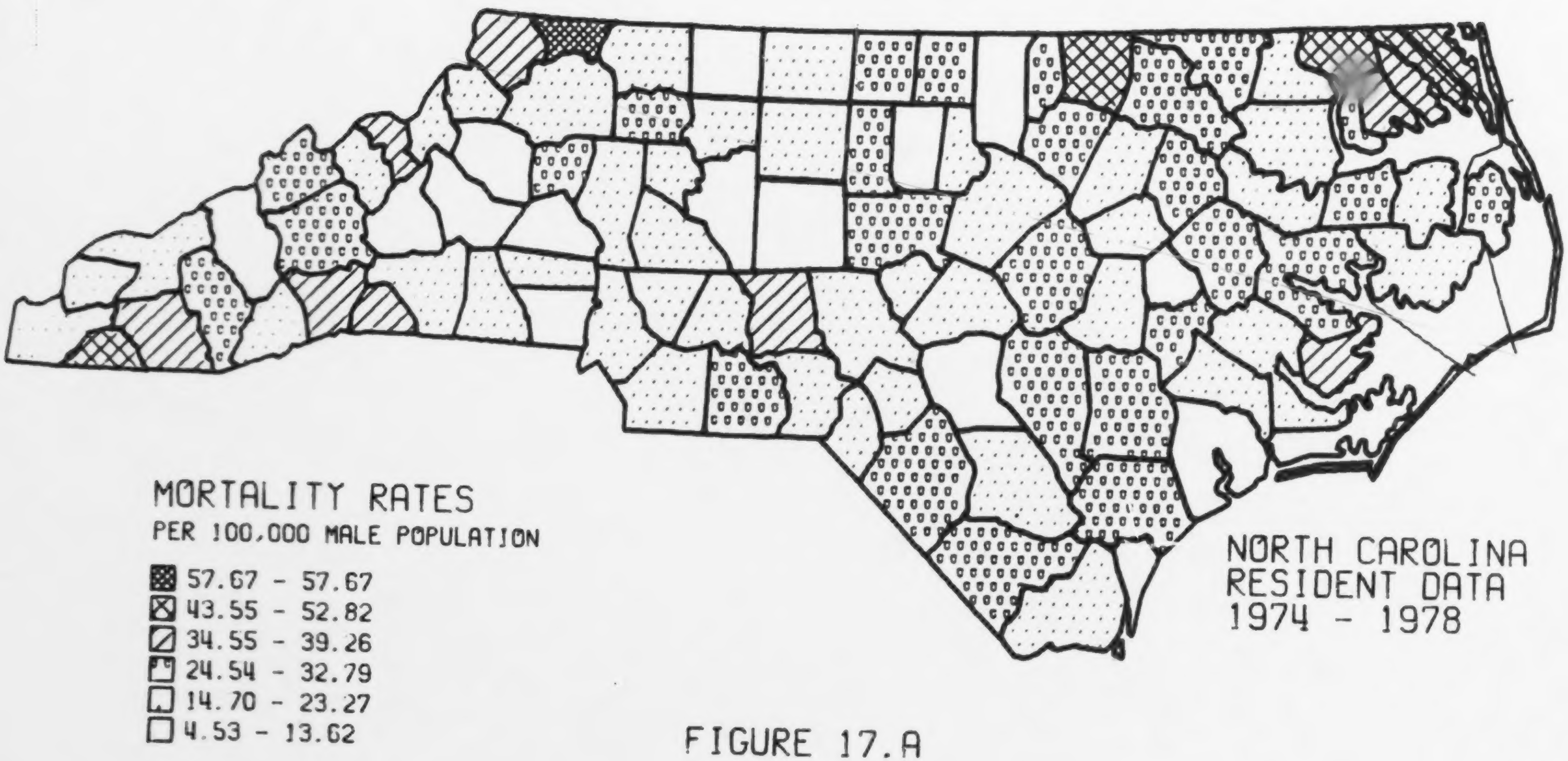
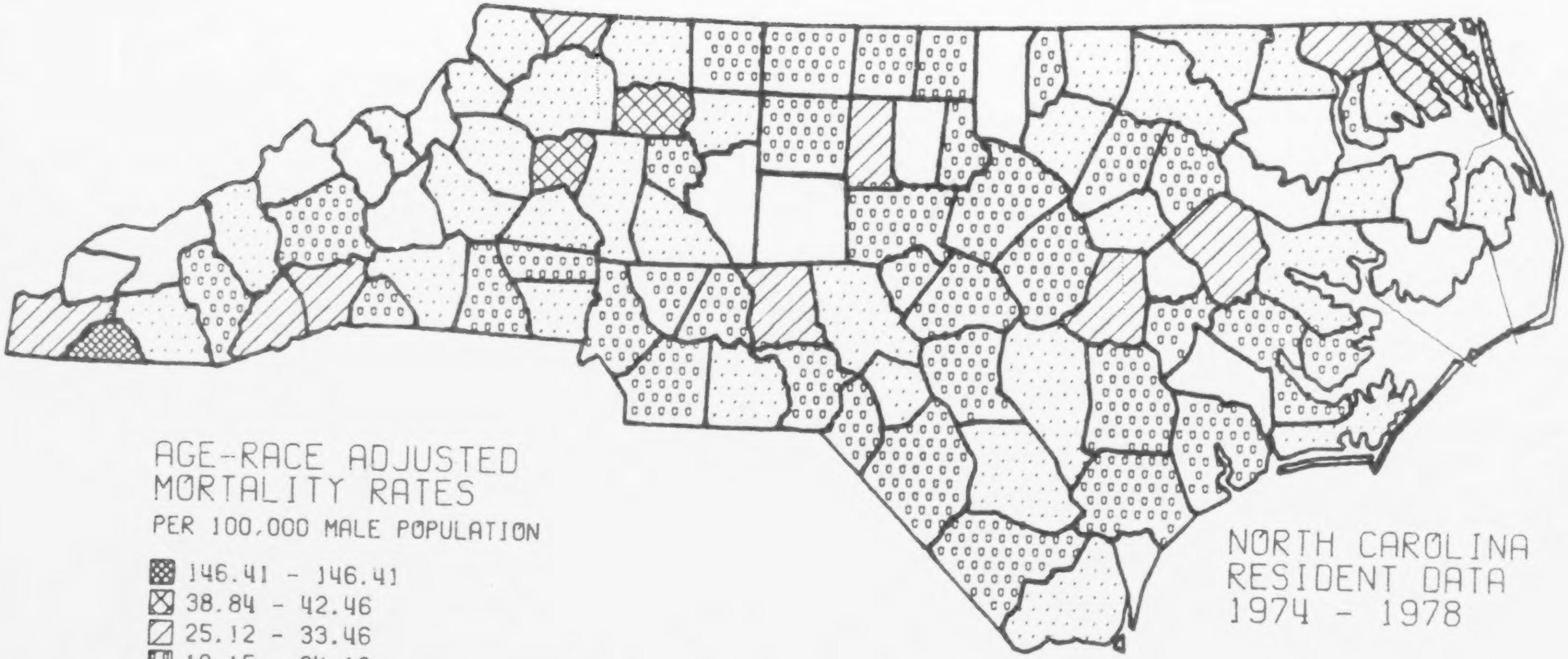

MORTALITY RATES
PER 100,000 MALE POPULATION
▩ 57.67 - 57.67
☒ 43.55 - 52.82
▨ 34.55 - 39.26
▦ 24.54 - 32.79
▫ 14.70 - 23.27
☐ 4.53 - 13.62
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 17.A

CANCER OF THE PROSTATE



AGE-RACE ADJUSTED
MORTALITY RATES
PER 100,000 MALE POPULATION

▩ 146.41 - 146.41
☒ 38.84 - 42.46
▨ 25.12 - 33.46
▣ 19.15 - 24.18
⬚ 14.25 - 18.62
☐ 7.53 - 13.25

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 17.B

TABLE 18

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

LEUKEMIA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	331	5.93	1688	6.16	6.16
REGIONS					
DHR I WESTERN	111	5.84	612	6.54	6.07
DHR II N. CENTRAL	81	6.79	384	6.51	6.29
DHR III S. CENTRAL	70	5.51	373	6.01	6.82
DHR IV EASTERN	69	5.66	319	5.36	5.62
HSA I WESTERN	58	6.06	315	6.68	5.62
HSA II PIEDMONT	73	6.93	332	6.37	6.20
HSA III S. PIEDMONT	53	5.62	297	6.39	6.47
HSA IV CAPITAL	46	6.00	250	6.68	7.09
HSA V CARDINAL	44	5.20	231	5.55	6.23
HSA VI EASTERN	57	5.62	263	5.32	5.57
COUNTIES					
1 ALAMANCE	9	9.18	33	6.67	6.07
2 ALEXANDER	2	8.84	12	10.87	14.21
3 ALLEGHANY	0	0.00	2	4.55	3.07
4 ANSON	0	0.00	4	3.35	2.70
5 ASHE	2	9.63	14	13.81	9.26
6 AVERY	0	0.00	3	4.29	3.48
7 BEAUFORT	2	5.00	8	4.13	3.27
8 BERTIE	3	14.12	12	11.43	8.60
9 BLADEN	4	13.67	11	7.63	8.44
10 BRUNSWICK	0	0.00	4	2.43	2.65
11 BUNCOMBE	7	4.53	48	6.33	4.45
12 BURKE	4	6.26	23	7.14	7.13
13 CABARRUS	6	7.52	33	8.38	7.91
14 CALDWELL	2	3.28	20	6.61	5.89
15 CAMDEN	1	17.40	3	10.47	11.09
16 CARTERET	2	5.40	10	5.52	4.63
17 CASWELL	0	0.00	6	6.12	6.26
18 CATAWBA	9	8.91	32	6.43	5.83
19 CHATHAM	3	9.67	14	9.22	8.29
20 CHEROKEE	0	0.00	4	4.61	3.23
21 CHOWAN	0	0.00	3	5.21	4.28
22 CLAY	0	0.00	2	7.11	4.82
23 CLEVELAND	4	5.10	20	5.13	5.04
24 COLUMBUS	4	7.75	21	8.25	8.48
25 CRAVEN	4	5.92	20	5.89	7.72
26 CUMBERLAND	10	4.28	44	3.81	7.00
27 CURRITUCK	1	9.44	4	7.90	7.21
28 DARE	1	9.40	2	4.12	2.18
29 DAVIDSON	8	7.78	27	5.32	5.46
30 DAVIE	0	0.00	5	4.64	3.67
31 DUPLIN	2	4.99	11	5.51	5.26
32 DURHAM	10	6.86	56	7.87	8.19
33 EDGECOMBE	2	3.60	7	2.57	2.71
34 FORSYTH	13	5.66	63	5.55	5.74
35 FRANKLIN	0	0.00	5	3.55	2.63
36 GASTON	8	5.12	42	5.38	5.29
37 GATES	1	12.11	4	9.64	6.40
38 GRAHAM	1	14.28	3	8.98	6.90
39 GRANVILLE	3	9.13	12	7.30	8.33
40 GREENE	1	6.73	4	5.34	6.70
41 GUILFORD	21	6.87	101	6.68	6.70

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
LEUKEMIA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	3	5.40	11	3.98	3.46
43 HARNETT	3	5.38	15	5.51	5.59
44 HAYWOOD	4	8.96	22	10.02	5.92
45 HENDERSON	9	17.42	24	9.66	7.56
46 HERTFORD	1	3.99	9	7.46	7.04
47 HOKE	0	0.00	8	8.95	13.63
48 HYDE	0	0.00	2	7.22	4.43
49 IREDELL	6	7.56	27	6.91	6.12
50 JACKSON	1	3.93	3	2.42	1.98
51 JOHNSTON	6	8.99	29	8.85	8.34
52 JONES	3	30.59	4	8.34	8.38
53 LEE	1	2.85	8	4.71	4.78
54 LENOIR	4	6.80	14	4.74	5.77
55 LINCOLN	3	7.70	13	6.92	6.90
56 MCDOWELL	1	2.93	7	4.16	3.10
57 MACON	0	0.00	5	5.44	2.99
58 MADISON	0	0.00	2	2.36	9.35
59 MARTIN	1	3.94	8	6.36	6.70
60 MECKLENBURG	19	4.93	116	6.14	7.18
61 MITCHELL	3	21.31	7	10.03	5.35
62 MONTGOMERY	1	5.03	7	7.14	6.53
63 MOORE	2	4.47	19	8.83	6.90
64 NASH	3	4.45	13	3.96	3.46
65 NEW HANOVER	7	7.16	24	4.98	5.17
66 NORTHAMPTON	1	4.27	8	6.91	3.13
67 ONSLOW	4	3.40	14	2.60	6.03
68 ORANGE	1	1.43	17	4.95	5.81
69 PAMLICO	0	0.00	2	4.17	3.48
70 PASQUOTANK	3	10.42	7	4.94	4.29
71 PENDER	1	4.51	7	6.62	7.76
72 PERQUIMANS	0	0.00	4	9.40	8.45
73 PERSON	0	0.00	8	5.92	4.95
74 PITT	7	8.58	28	7.09	7.69
75 POLK	1	8.04	8	12.68	9.83
76 RANDOLPH	8	9.44	27	6.50	5.16
77 RICHMOND	2	4.67	10	4.81	4.73
78 ROBESON	6	6.39	33	7.09	7.71
79 ROCKINGHAM	7	9.14	36	9.39	8.57
80 ROWAN	5	5.34	41	8.83	7.58
81 RUTHERFORD	3	5.81	16	6.30	5.21
82 SAMPSON	3	6.10	14	5.80	5.58
83 SCOTLAND	1	3.22	10	6.71	7.19
84 STANLY	3	6.63	14	6.23	6.85
85 STOKES	2	6.66	6	4.16	3.26
86 SURRY	5	8.93	19	6.88	8.01
87 SWAIN	1	9.81	3	6.00	4.36
88 TRANSYLVANIA	0	0.00	6	5.60	4.31
89 TYRRELL	0	0.00	1	5.13	3.64
90 UNION	3	4.59	11	3.48	3.47
91 VANCE	2	5.82	19	11.22	9.98
92 WAKE	17	6.10	74	5.50	6.57
93 WARREN	3	17.54	8	9.58	9.55
94 WASHINGTON	2	13.23	8	10.99	12.70
95 WATAUGA	1	3.48	5	3.49	2.90
96 WAYNE	1	1.07	21	4.62	5.93
97 WILKES	2	3.59	18	6.60	5.25
98 WILSON	4	6.57	21	6.96	7.24
99 YADKIN	0	0.00	9	6.70	7.66
100 YANCEY	1	6.83	6	8.47	5.06

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

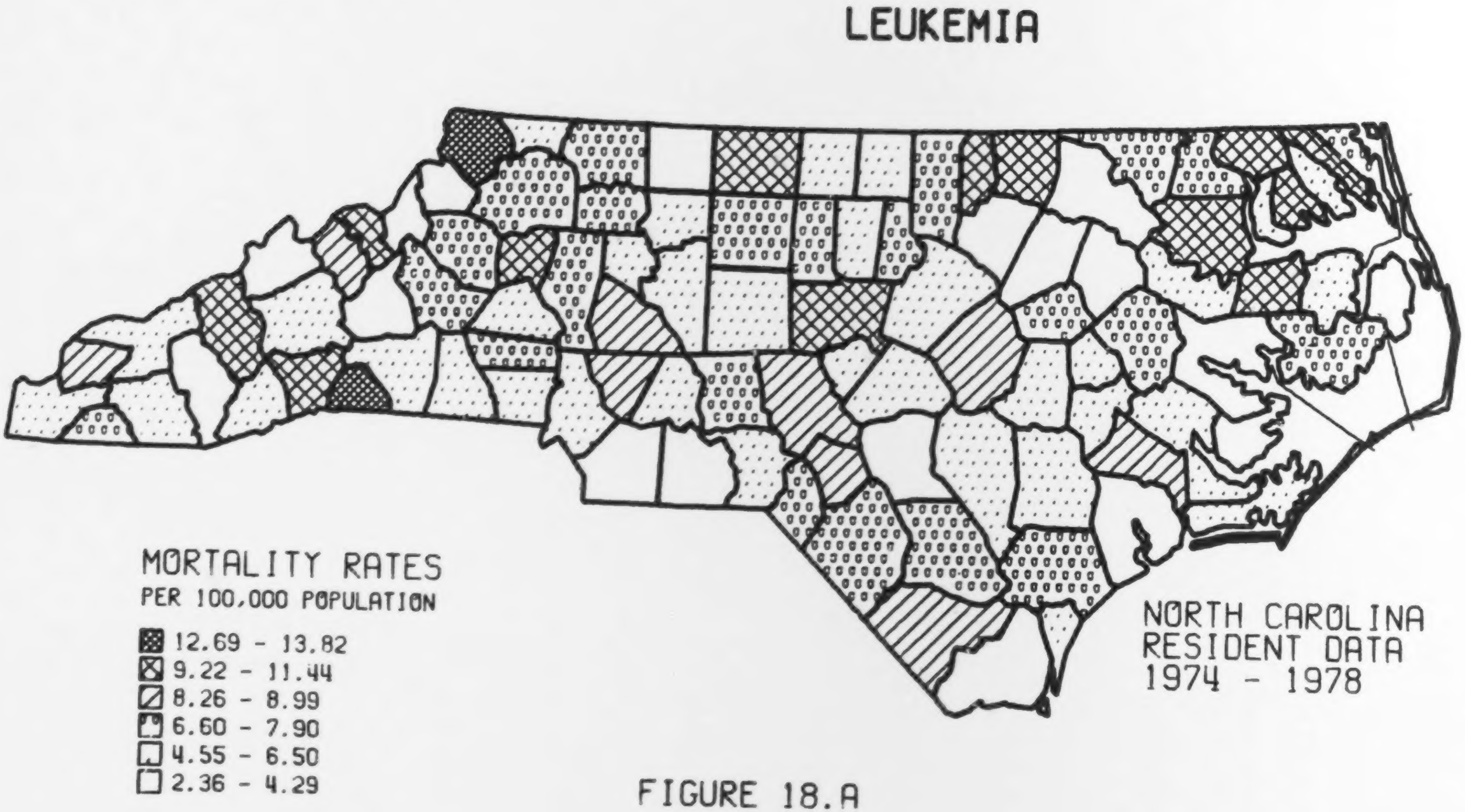
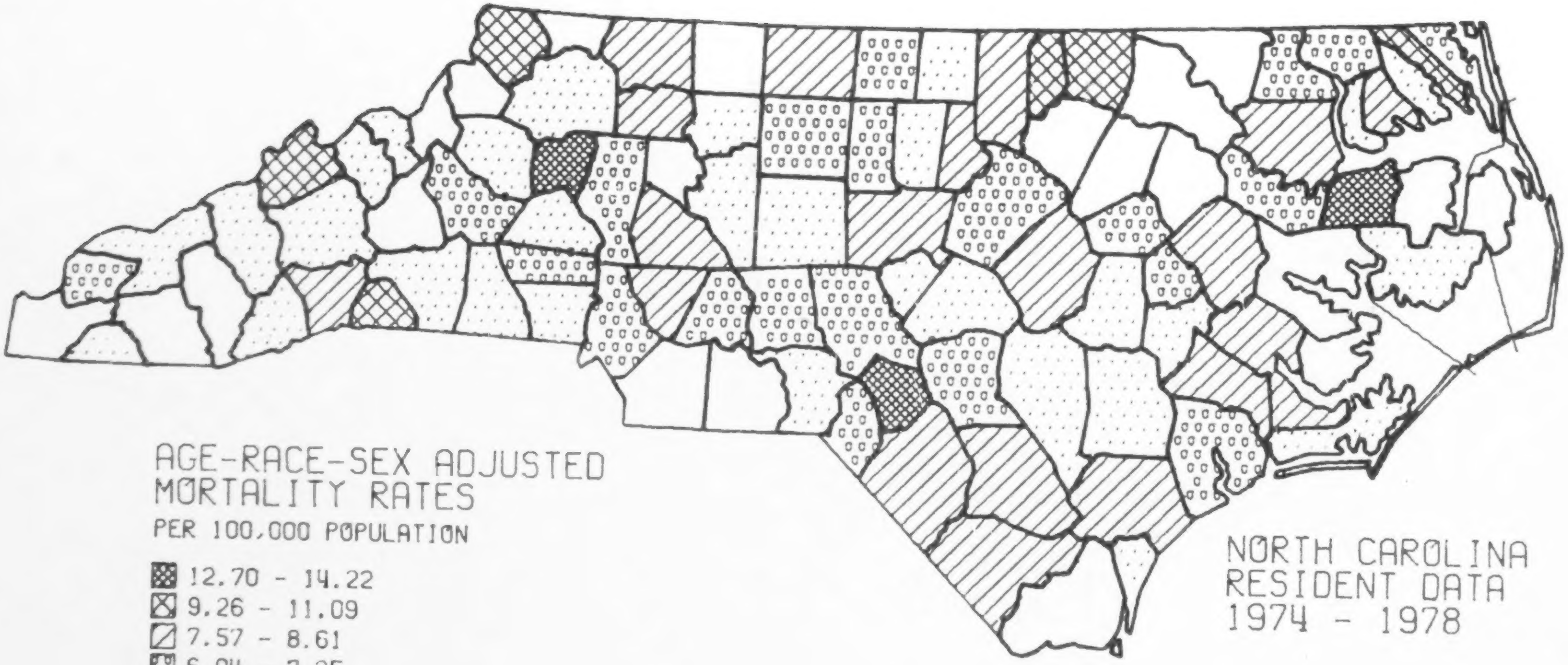

LEUKEMIA
MORTALITY RATES
PER 100,000 POPULATION
▩ 12.69 - 13.82
▨ 9.22 - 11.44
▧ 8.26 - 8.99
▦ 6.60 - 7.90
▤ 4.55 - 6.50
☐ 2.36 - 4.29
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 18.A

LEUKEMIA



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- ▩ 12.70 - 14.22
- ☒ 9.26 - 11.09
- ▨ 7.57 - 8.61
- ▦ 6.04 - 7.25
- ⬚ 4.29 - 5.93
- ☐ 1.99 - 3.67

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 18.B

TABLE 19

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

DIABETES MELLITUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	796	14.27	4336	15.82	15.82
REGIONS					
DHR I WESTERN	278	14.63	1500	16.03	16.50
DHR II N. CENTRAL	184	15.44	943	15.98	15.63
DHR III S. CENTRAL	154	12.14	935	15.07	16.19
DHR IV EASTERN	180	14.77	958	16.11	15.19
HSA I WESTERN	132	13.79	753	15.98	16.30
HSA II PIEDMONT	164	15.58	821	15.77	16.20
HSA III S. PIEDMONT	146	15.49	747	16.08	17.00
HSA IV CAPITAL	88	11.48	511	13.65	13.90
HSA V CARDINAL	104	12.29	693	16.66	17.21
HSA VI EASTERN	162	15.97	811	16.42	15.58
COUNTIES					
1 ALAMANCE	12	12.24	78	15.76	16.11
2 ALEXANDER	4	17.69	14	12.69	11.24
3 ALLEGHANY	0	0.00	6	13.65	11.49
4 ANSON	4	16.98	25	20.97	13.87
5 ASHE	5	24.08	24	23.68	13.86
6 AVERY	1	7.24	6	8.58	6.49
7 BEAUFORT	10	25.02	47	24.31	19.62
8 BERTIE	3	14.12	21	20.01	14.43
9 BLADEN	3	10.25	35	24.28	19.72
10 BRUNSWICK	2	6.11	21	12.80	13.95
11 BUNCOMBE	27	17.48	136	17.93	16.59
12 BURKE	12	18.80	47	14.59	14.05
13 CABARRUS	13	16.31	57	14.47	14.11
14 CALDWELL	14	23.00	72	23.80	31.64
15 CAMDEN	1	17.40	9	31.43	27.43
16 CARTERET	5	13.51	36	19.89	21.83
17 CASWELL	1	5.09	14	14.29	10.59
18 CATAWBA	11	10.90	74	14.87	17.91
19 CHATHAM	6	19.34	22	14.48	12.96
20 CHEROKEE	1	5.65	18	20.76	12.68
21 CHOWAN	5	40.78	18	31.28	20.92
22 CLAY	0	0.00	5	17.79	10.66
23 CLEVELAND	9	11.48	60	15.39	16.36
24 COLUMBUS	3	5.81	39	15.33	13.80
25 CRAVEN	9	13.33	46	13.56	16.37
26 CUMBERLAND	6	2.57	72	6.24	10.84
27 CURRITUCK	3	28.32	15	29.64	25.56
28 DARE	1	9.40	12	24.74	19.23
29 DAVIDSON	11	10.70	48	9.46	13.98
30 DAVIE	1	4.45	21	19.51	17.54
31 DUPLIN	10	24.96	47	23.57	19.25
32 DURHAM	16	10.99	83	11.66	11.16
33 EDGECOMBE	5	9.00	38	13.97	11.64
34 FORSYTH	57	24.84	198	17.44	17.52
35 FRANKLIN	8	28.45	30	21.34	17.20
36 GASTON	21	13.46	128	16.40	17.36
37 GATES	3	36.33	7	16.87	9.18
38 GRAHAM	2	28.56	6	17.97	10.69
39 GRANVILLE	3	9.13	24	14.61	12.94
40 GREENE	3	20.20	9	12.02	9.37
41 GUILFORD	46	15.05	224	14.82	15.46

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
DIABETES MELLITUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	9	16.22	54	19.55	13.18
43 HARNETT	17	30.51	65	23.89	24.43
44 HAYWOOD	5	11.20	41	18.68	22.67
45 HENDERSON	8	15.49	31	12.48	14.93
46 HERTFORD	2	7.99	16	13.26	7.25
47 HOKE	1	5.31	12	13.42	14.03
48 HYDE	0	0.00	6	21.67	14.84
49 IREDELL	15	18.91	75	19.20	19.15
50 JACKSON	8	31.49	27	21.79	26.19
51 JOHNSTON	8	11.99	66	20.15	19.38
52 JONES	0	0.00	5	10.43	7.39
53 LEE	3	8.55	32	18.87	18.65
54 LENOIR	5	8.51	42	14.24	11.14
55 LINCOLN	12	30.83	41	21.84	25.51
56 MCDOWELL	5	14.65	25	14.88	20.56
57 MACON	3	15.60	14	15.25	7.83
58 MADISON	3	17.43	13	15.34	7.81
59 MARTIN	4	15.76	20	15.90	14.33
60 MECKLENBURG	52	13.51	236	12.50	14.27
61 MITCHELL	3	21.31	12	17.20	8.88
62 MONTGOMERY	3	15.09	21	21.43	17.62
63 MOORE	4	8.95	27	12.55	10.69
64 NASH	9	13.35	36	10.97	10.34
65 NEW HANOVER	10	10.23	69	14.34	13.68
66 NORTHAMPTON	2	8.55	30	25.93	18.52
67 ONSLOW	4	3.40	22	4.09	13.00
68 ORANGE	8	11.50	29	8.44	11.19
69 PAMLICO	3	30.10	10	20.85	13.10
70 PASQUOTANK	6	20.85	28	19.79	17.50
71 PENDER	3	13.54	18	17.03	12.52
72 PERQUIMANS	2	22.76	11	25.86	18.53
73 PERSON	3	11.05	13	9.62	7.98
74 PITT	14	17.16	52	13.17	12.58
75 POLK	2	16.08	14	22.20	13.42
76 RANDOLPH	8	9.44	47	11.31	12.84
77 RICHMOND	10	23.36	48	23.12	20.90
78 ROBESON	16	17.04	126	27.09	26.90
79 ROCKINGHAM	19	24.81	96	25.04	23.43
80 ROWAN	18	19.25	111	23.92	21.08
81 RUTHERFORD	2	3.87	26	10.25	9.12
82 SAMPSON	14	28.49	71	29.42	22.36
83 SCOTLAND	8	25.78	44	29.53	29.19
84 STANLY	6	13.27	45	20.05	19.26
85 STOKES	2	6.66	14	9.72	10.76
86 SURRY	2	3.57	37	13.40	13.51
87 SWAIN	0	0.00	9	18.02	16.60
88 TRANSYLVANIA	1	4.55	21	19.61	28.82
89 TYRRELL	1	24.71	7	35.96	21.65
90 UNION	9	13.78	54	17.09	18.83
91 VANCE	4	11.64	39	23.03	20.45
92 WAKE	27	9.69	157	11.67	14.25
93 WARREN	2	11.69	16	19.17	17.93
94 WASHINGTON	5	33.09	14	19.24	16.96
95 WATAUGA	2	6.96	14	9.79	18.15
96 WAYNE	23	24.73	85	18.73	21.42
97 WILKES	4	7.18	31	11.37	12.48
98 WILSON	15	24.66	68	22.56	21.13
99 YADKIN	5	18.51	44	32.75	22.15
100 YANCEY	0	0.00	7	9.88	6.10

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

DIABETES MELLITUS

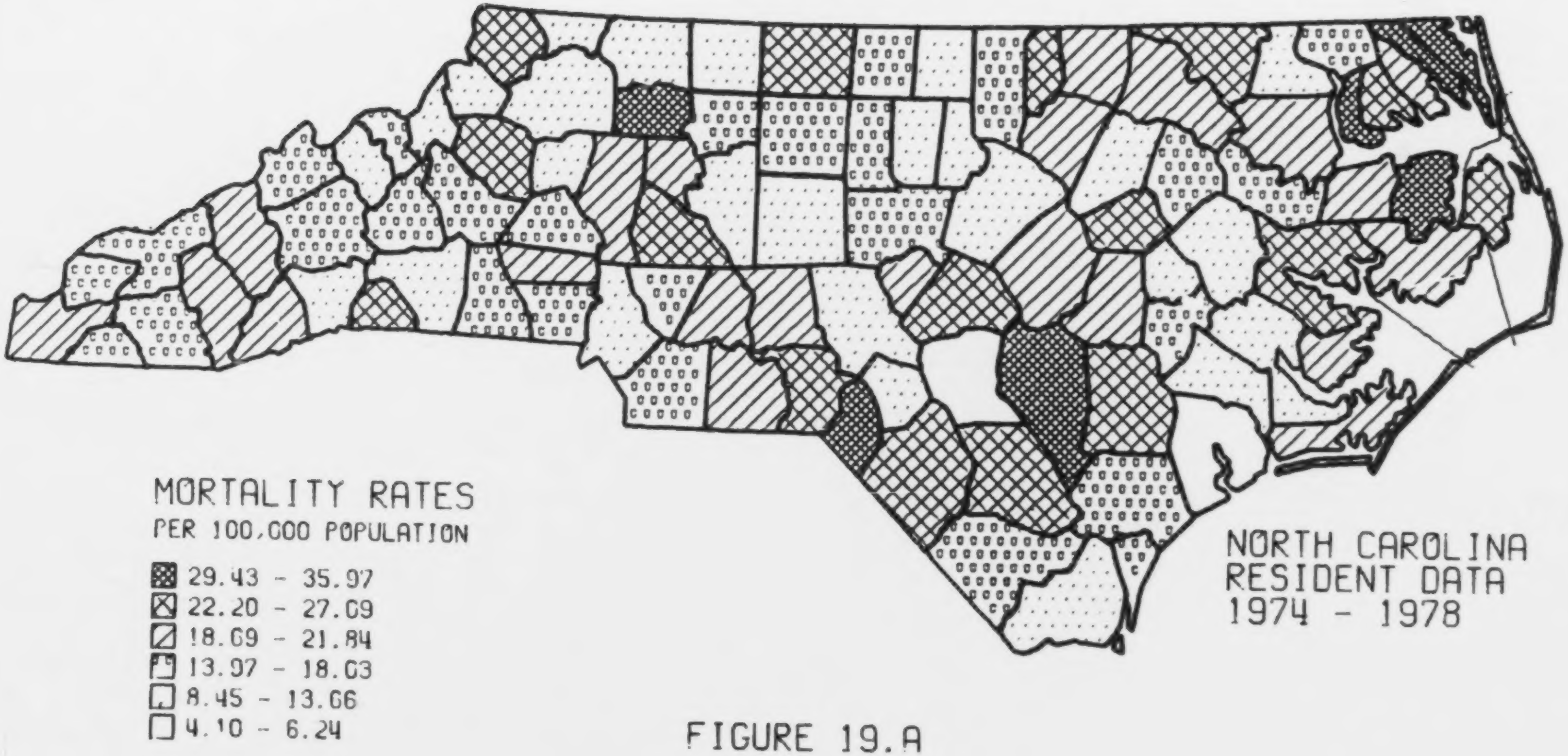

MORTALITY RATES
PER 100,000 POPULATION
▩ 29.43 - 35.97
☒ 22.20 - 27.09
▨ 18.09 - 21.84
▤ 13.97 - 18.03
▢ 8.45 - 13.66
☐ 4.10 - 6.24
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 19.A

DIABETES MELLITUS

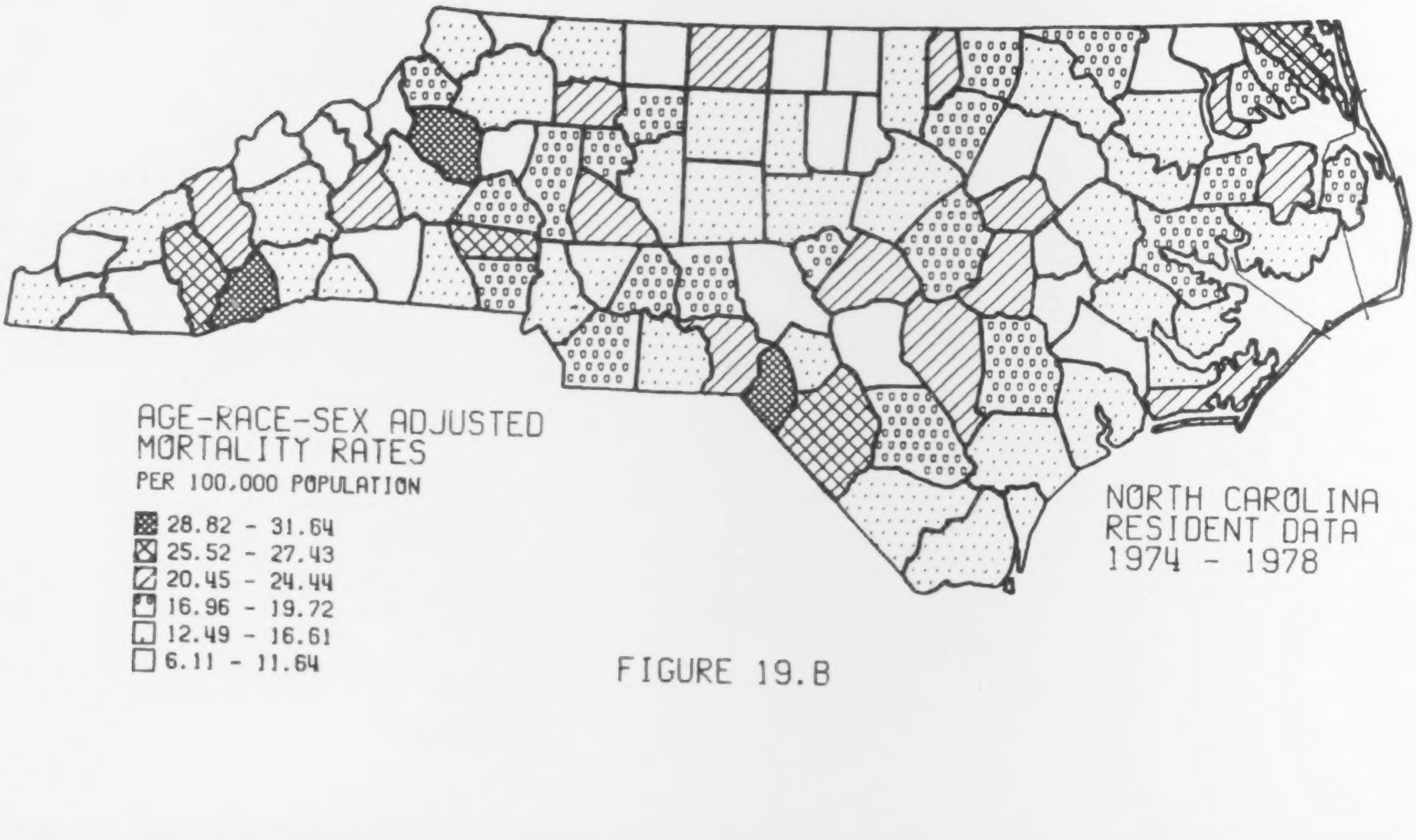

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 28.82 - 31.64
☒ 25.52 - 27.43
▨ 20.45 - 24.44
▦ 16.96 - 19.72
☐ 12.49 - 16.61
☐ 6.11 - 11.64
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 19.B

TABLE 20

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

INFLUENZA AND PNEUMONIA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	1428	25.60	6804	24.83	24.83
REGIONS					
DHR I WESTERN	505	26.59	2504	26.77	25.55
DHR II N. CENTRAL	310	26.01	1462	24.78	24.15
DHR III S. CENTRAL	270	21.28	1313	21.16	23.78
DHR IV EASTERN	343	28.15	1525	25.65	26.60
HSA I WESTERN	302	31.57	1408	29.89	26.43
HSA II PIEDMONT	266	25.28	1252	24.04	23.98
HSA III S. PIEDMONT	203	21.53	1096	23.60	24.85
HSA IV CAPITAL	186	24.28	882	23.57	24.79
HSA V CARDINAL	180	21.27	860	20.67	22.57
HSA VI EASTERN	291	28.70	1306	26.44	27.73
COUNTIES					
1 ALAMANCE	25	25.50	104	21.02	20.87
2 ALEXANDER	7	30.97	29	26.28	27.06
3 ALLEGHANY	3	34.05	28	63.74	32.60
4 ANSON	11	46.70	45	37.75	27.26
5 ASHE	10	48.17	47	46.38	22.82
6 AVERY	6	43.44	52	74.36	50.62
7 BEAUFORT	19	47.54	75	38.79	30.66
8 BERTIE	10	47.09	42	40.03	33.57
9 BLADEN	8	27.35	49	33.99	31.51
10 BRUNSWICK	9	27.51	25	15.24	18.91
11 BUNCOMBE	66	42.74	275	36.27	28.71
12 BURKE	22	34.48	90	27.94	25.42
13 CABARRUS	24	30.11	114	28.95	28.86
14 CALDWELL	21	34.50	85	28.10	34.69
15 CAMDEN	0	0.00	6	20.95	22.63
16 CARTERET	10	27.02	51	28.18	24.82
17 CASWELL	6	30.54	23	23.49	19.36
18 CATAWBA	18	17.83	86	17.28	22.25
19 CHATHAM	8	25.79	34	22.39	18.94
20 CHEROKEE	5	28.25	32	36.91	20.32
21 CHOWAN	1	8.15	12	20.85	17.26
22 CLAY	5	83.19	11	39.13	22.54
23 CLEVELAND	19	24.25	80	20.52	20.59
24 COLUMBUS	15	29.06	63	24.77	23.95
25 CRAVEN	19	28.14	79	23.30	32.66
26 CUMBERLAND	27	11.57	146	12.65	24.30
27 CURRITUCK	3	28.32	15	29.64	24.38
28 DARE	3	28.22	13	26.81	22.81
29 DAVIDSON	24	23.35	112	22.09	24.28
30 DAVIE	2	8.91	36	33.45	26.94
31 DUPLIN	9	22.46	46	23.07	21.80
32 DURHAM	32	21.98	198	27.82	26.82
33 EDGECOMBE	17	30.61	74	27.21	27.99
34 FORSYTH	55	23.97	296	26.08	27.74
35 FRANKLIN	8	28.45	37	26.32	22.36
36 GASTON	41	26.28	159	20.38	22.81
37 GATES	6	72.67	21	50.62	36.91
38 GRAHAM	2	28.56	9	26.96	72.75
39 GRANVILLE	9	27.39	48	29.23	27.10
40 GREENE	4	26.93	24	32.05	33.77
41 GUILFORD	65	21.28	318	21.04	21.64

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
INFLUENZA AND PNEUMONIA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	20	36.06	93	33.66	27.55
43 HARNETT	9	16.15	39	14.33	15.18
44 HAYWOOD	16	35.84	65	29.62	25.03
45 HENDERSON	17	32.91	101	40.69	34.17
46 HERTFORD	6	23.99	34	28.19	23.79
47 HOKE	3	15.93	30	33.56	29.84
48 HYDE	1	18.21	11	39.73	24.10
49 IREDELL	18	22.69	119	30.46	28.15
50 JACKSON	8	31.49	35	28.25	27.86
51 JOHNSTON	22	32.98	87	26.56	26.25
52 JONES	2	20.39	13	27.12	27.40
53 LEE	6	17.10	34	20.05	19.85
54 LENOIR	28	47.66	93	31.54	35.05
55 LINCOLN	7	17.98	44	23.44	27.35
56 MCDOWELL	12	35.16	48	28.57	26.90
57 MACON	7	36.42	30	32.68	17.26
58 MADISON	7	40.68	33	38.96	17.57
59 MARTIN	7	27.58	45	35.78	32.60
60 MECKLENBURG	74	19.23	428	22.68	26.41
61 MITCHELL	3	21.31	21	30.11	15.14
62 MONTGOMERY	7	35.22	34	34.69	26.82
63 MOORE	14	31.33	52	24.17	19.51
64 NASH	22	32.65	100	30.48	29.95
65 NEW HANOVER	24	24.55	117	24.31	25.19
66 NORTHAMPTON	8	34.21	33	28.52	18.48
67 ONSLOW	10	8.50	55	10.24	29.65
68 ORANGE	20	28.75	68	19.80	26.02
69 PAMLICO	5	50.17	20	41.71	30.66
70 PASQUOTANK	10	34.75	44	31.11	27.56
71 PENDER	4	18.05	14	13.25	10.16
72 PERQUIMANS	1	11.38	16	37.62	27.66
73 PERSON	11	40.54	41	30.36	28.08
74 PITT	22	26.97	80	20.26	21.80
75 POLK	4	32.16	29	45.98	30.19
76 RANDOLPH	23	27.15	74	17.82	18.97
77 RICHMOND	4	9.34	34	16.37	15.85
78 ROBESON	26	27.69	115	24.72	23.70
79 ROCKINGHAM	24	31.34	124	32.34	29.71
80 ROWAN	25	26.74	117	25.22	19.88
81 RUTHERFORD	14	27.13	88	34.70	30.16
82 SAMPSON	14	28.49	76	31.50	28.16
83 SCOTLAND	5	16.11	21	14.09	14.42
84 STANLY	7	15.49	65	28.96	27.13
85 STOKES	9	29.97	49	34.02	31.07
86 SURRY	19	33.93	82	29.70	31.89
87 SWAIN	6	58.89	17	34.05	21.92
88 TRANSYLVANIA	6	27.32	23	21.47	24.36
89 TYRRELL	1	24.71	9	46.24	34.06
90 UNION	7	10.72	50	15.83	17.30
91 VANCE	11	32.03	55	32.48	28.15
92 WAKE	54	19.38	251	18.66	23.59
93 WARREN	5	29.24	29	34.74	24.25
94 WASHINGTON	3	19.85	18	24.74	26.54
95 WATAUGA	5	17.41	25	17.48	24.69
96 WAYNE	28	30.11	106	23.36	27.89
97 WILKES	5	8.97	40	14.67	12.11
98 WILSON	16	26.31	78	25.88	27.27
99 YADKIN	14	51.83	34	25.31	19.91
100 YANCEY	8	54.65	29	40.93	24.69

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

INFLUENZA AND PNEUMONIA

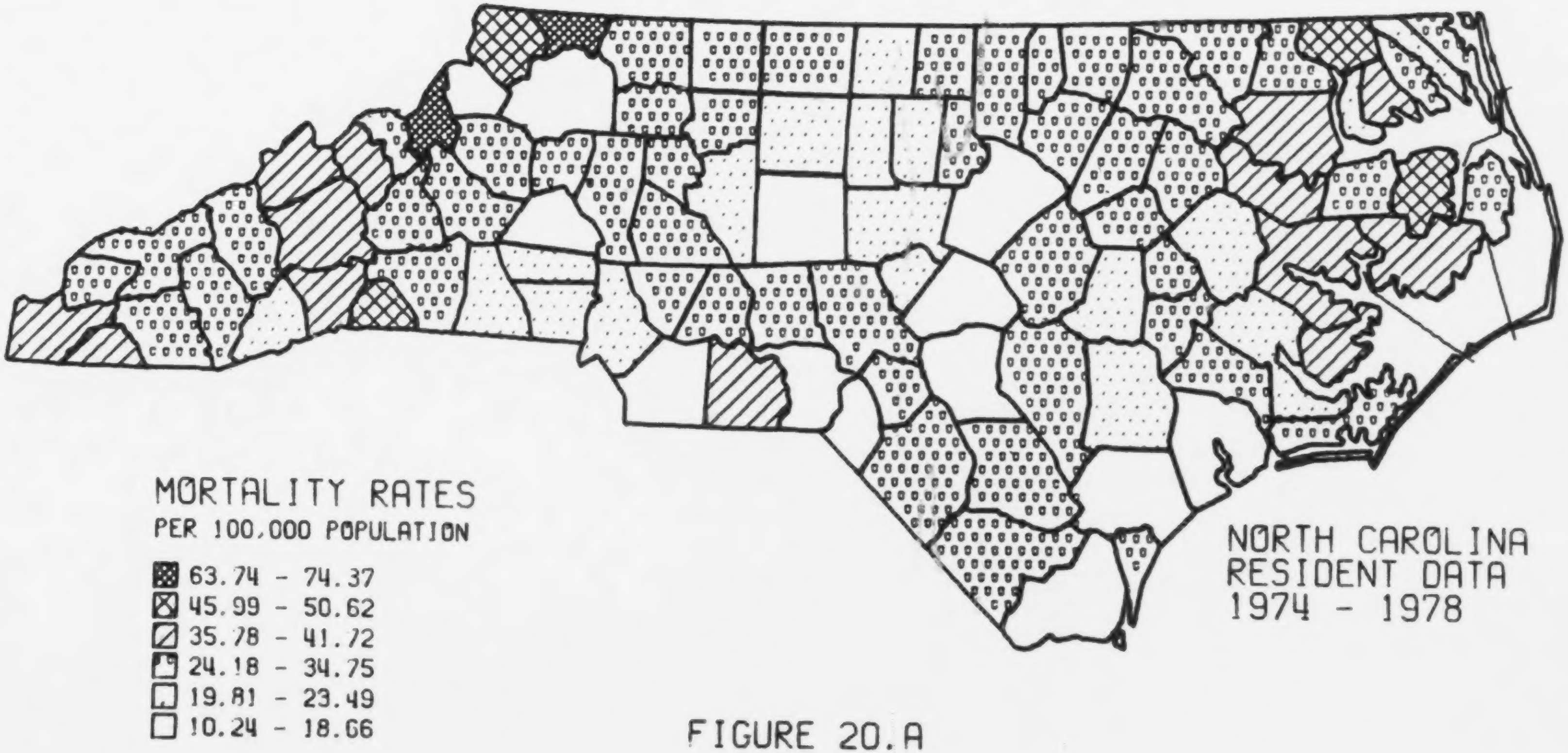

MORTALITY RATES
PER 100,000 POPULATION
▩ 63.74 - 74.37
☒ 45.99 - 50.62
▨ 35.78 - 41.72
▦ 24.18 - 34.75
▤ 19.81 - 23.49
☐ 10.24 - 18.66
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 20.A

INFLUENZA AND PNEUMONIA

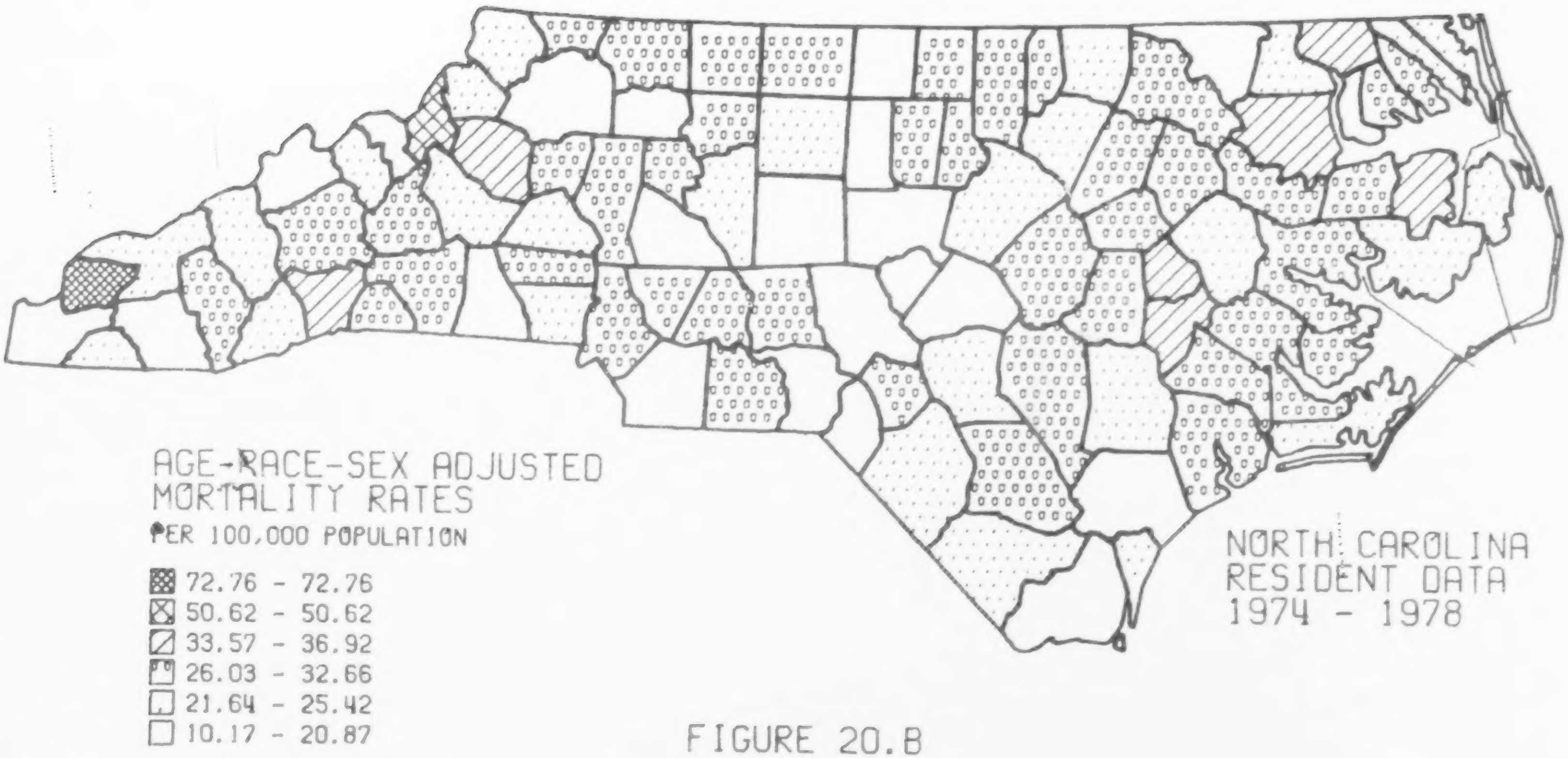

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 72.76 - 72.76
☒ 50.62 - 50.62
▨ 33.57 - 36.92
▦ 26.03 - 32.66
▤ 21.64 - 25.42
☐ 10.17 - 20.87
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 20.B

TABLE 21

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

CHRONIC OBSTRUCTIVE LUNG DISEASES**

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	1220	21.87	5162	18.84	18.84
REGIONS					
DHR I WESTERN	430	22.64	1923	20.56	18.29
DHR II N. CENTRAL	266	22.32	1125	19.07	18.13
DHR III S. CENTRAL	261	20.57	1074	17.31	21.34
DHR IV EASTERN	263	21.59	1040	17.49	19.50
HSA I WESTERN	236	24.67	1110	23.57	18.92
HSA II PIEDMONT	241	22.90	988	18.97	18.08
HSA III S. PIEDMONT	194	20.58	813	17.51	17.71
HSA IV CAPITAL	146	19.06	700	18.70	21.03
HSA V CARDINAL	188	22.21	721	17.33	21.17
HSA VI EASTERN	215	21.20	830	16.80	19.03
COUNTIES					
1 ALAMANCE	19	19.38	78	15.76	14.10
2 ALEXANDER	5	22.12	13	11.78	9.94
3 ALLEGHANY	0	0.00	5	11.38	6.19
4 ANSON	4	16.98	18	15.10	11.52
5 ASHE	8	38.54	29	28.62	39.82
6 AVERY	8	57.93	20	28.60	20.32
7 BEAUFORT	11	27.52	45	23.27	20.82
8 BERTIE	3	14.12	20	19.06	16.42
9 BLADEN	6	20.51	27	18.73	18.35
10 BRUNSWICK	10	30.57	30	18.29	17.75
11 BUNCOMBE	32	20.72	215	28.35	20.59
12 BURKE	16	25.07	64	19.87	17.84
13 CABARRUS	21	26.34	85	21.58	18.61
14 CALDWELL	13	21.35	64	21.15	21.44
15 CAMDEN	0	0.00	3	10.47	7.75
16 CARTERET	10	27.02	44	24.31	20.16
17 CASWELL	3	15.27	16	16.34	16.48
18 CATAWBA	16	15.85	69	13.86	14.37
19 CHATHAM	4	12.89	38	25.02	21.04
20 CHEROKEE	2	11.30	15	17.30	17.04
21 CHOWAN	5	40.78	12	20.85	17.24
22 CLAY	2	33.27	6	21.34	11.39
23 CLEVELAND	18	22.97	69	17.69	17.26
24 COLUMBUS	13	25.19	48	18.87	18.71
25 CRAVEN	13	19.25	45	13.27	20.21
26 CUMBERLAND	35	15.00	114	9.88	24.19
27 CURRITUCK	1	9.44	13	25.69	19.28
28 DARE	3	28.22	11	22.68	14.29
29 DAVIDSON	29	28.22	104	20.51	19.81
30 DAVIE	5	22.27	17	15.79	13.05
31 DUPLIN	4	9.98	30	15.04	13.88
32 DURHAM	42	28.85	159	22.34	24.57
33 EDGECOMBE	14	25.21	46	16.91	19.08
34 FORSYTH	68	29.64	244	21.50	23.20
35 FRANKLIN	3	10.67	20	14.23	11.85
36 GASTON	26	16.67	125	16.02	15.47
37 GATES	3	36.33	9	21.69	19.60
38 GRAHAM	1	14.28	3	8.98	5.34
39 GRANVILLE	3	9.13	40	24.36	24.80
40 GREENE	2	13.46	12	16.02	17.24
41 GUILFORD	61	19.97	256	16.94	17.48

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

*INCLUDES CHRONIC OBSTRUCTIVE LUNG DISEASE (ICDA 519.3) AND BRONCHITIS, EMPHYSEMA AND ASTHMA (ICDA 490-493)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
CHRONIC OBSTRUCTIVE LUNG DISEASES** CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	18	32.45	62	22.44	22.43
43 HARNETT	14	25.13	54	19.85	20.28
44 HAYWOOD	17	38.08	70	31.90	27.97
45 HENDERSON	15	29.04	77	31.02	22.33
46 HERTFORD	4	15.99	13	10.77	7.74
47 HOKE	6	31.86	21	23.49	32.67
48 HYDE	0	0.00	2	7.22	4.37
49 IREDELL	21	26.47	87	22.27	19.32
50 JACKSON	7	27.55	27	21.79	17.14
51 JOHNSTON	12	17.99	72	21.98	20.39
52 JONES	4	40.79	12	25.04	25.64
53 LEE	7	19.95	28	16.51	16.65
54 LENOIR	8	13.61	42	14.24	16.07
55 LINCOLN	9	23.12	25	13.31	11.85
56 MCDOWELL	12	35.16	43	25.59	18.08
57 MACON	8	41.62	39	42.49	21.36
58 MADISON	4	23.25	20	23.61	12.98
59 MARTIN	9	35.46	24	19.08	20.50
60 MECKLENBURG	84	21.83	325	17.22	21.41
61 MITCHELL	9	63.95	35	50.19	25.00
62 MONTGOMERY	7	35.22	18	18.36	14.83
63 MOORE	10	22.37	57	26.50	20.26
64 NASH	19	28.20	57	17.37	17.46
65 NEW HANOVER	19	19.44	103	21.40	23.55
66 NORTHAMPTON	4	17.10	21	18.15	17.87
67 ONSLOW	11	9.35	45	8.37	22.15
68 ORANGE	10	14.37	36	10.48	15.06
69 PAMLICO	4	40.14	14	29.20	23.02
70 PASQUOTANK	6	20.85	26	18.38	17.49
71 PENDER	6	27.08	29	27.44	25.32
72 PERQUIMANS	3	34.15	10	23.51	14.61
73 PERSON	6	22.11	30	22.21	21.21
74 PITT	18	22.06	65	16.46	21.50
75 POLK	6	48.25	34	53.91	25.78
76 RANDOLPH	18	21.25	70	16.85	15.11
77 RICHMOND	15	35.04	58	27.94	27.35
78 ROBESON	24	25.56	68	14.62	21.67
79 ROCKINGHAM	14	18.28	77	20.08	17.08
80 ROWAN	17	18.18	87	18.75	14.23
81 RUTHERFORD	11	21.31	63	24.84	19.25
82 SAMPSON	14	28.49	43	17.82	16.46
83 SCOTLAND	5	16.11	33	22.14	29.95
84 STANLY	6	13.27	46	20.49	18.65
85 STOKES	5	16.65	27	18.74	13.70
86 SURRY	14	25.00	72	26.07	20.79
87 SWAIN	3	29.44	8	16.02	13.98
88 TRANSYLVANIA	5	22.77	29	27.08	30.15
89 TYRRELL	1	24.71	5	25.69	21.88
90 UNION	10	15.31	33	10.44	10.62
91 VANCE	9	26.20	29	17.12	18.51
92 WAKE	46	16.51	230	17.09	23.11
93 WARREN	4	23.39	18	21.56	17.01
94 WASHINGTON	3	19.85	13	17.87	20.42
95 WATAUGA	5	17.41	27	18.88	17.16
96 WAYNE	20	21.51	63	13.88	17.80
97 WILKES	8	14.36	52	19.08	23.76
98 WILSON	14	23.02	66	21.89	24.22
99 YADKIN	5	18.51	27	20.10	13.20
100 YANCEY	5	34.16	14	19.76	10.65

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

**INCLUDES CHRONIC OBSTRUCTIVE LUNG DISEASE (ICDA 519.3) AND BRONCHITIS, EMPHYSEMA AND ASTHMA (ICDA 490-493)

CHRONIC OBSTRUCTIVE LUNG DISEASES

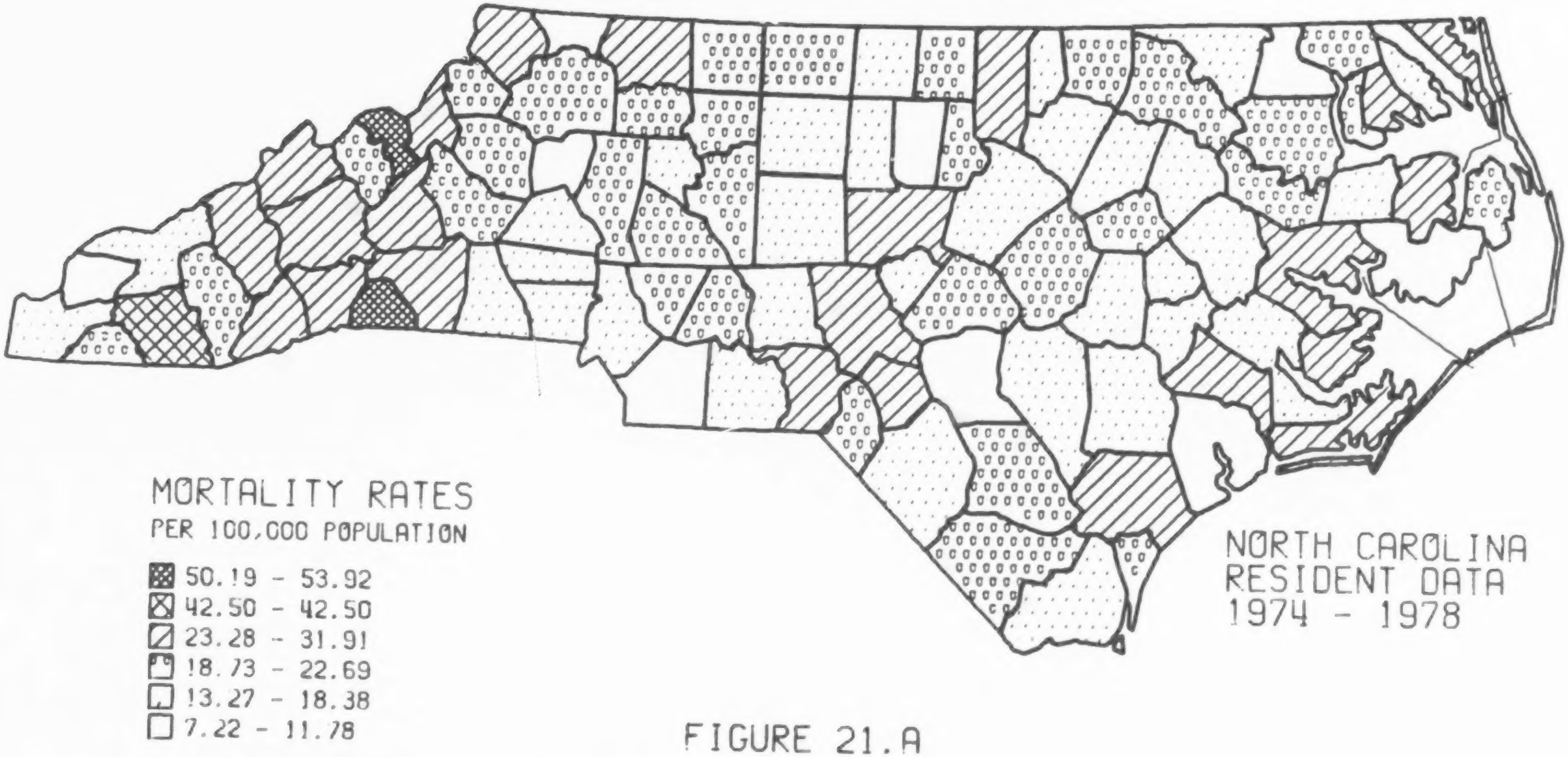

MORTALITY RATES
PER 100,000 POPULATION
▩ 50.19 - 53.92
☒ 42.50 - 42.50
▨ 23.28 - 31.91
▦ 18.73 - 22.69
▤ 13.27 - 18.38
☐ 7.22 - 11.78
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 21.A

# Includes Chronic Obstructive Lung Disease (ICDA 519.3) and Bronchitis, Emphysema and Asthma (ICDA 490-493)

CHRONIC OBSTRUCTIVE LUNG DISEASES

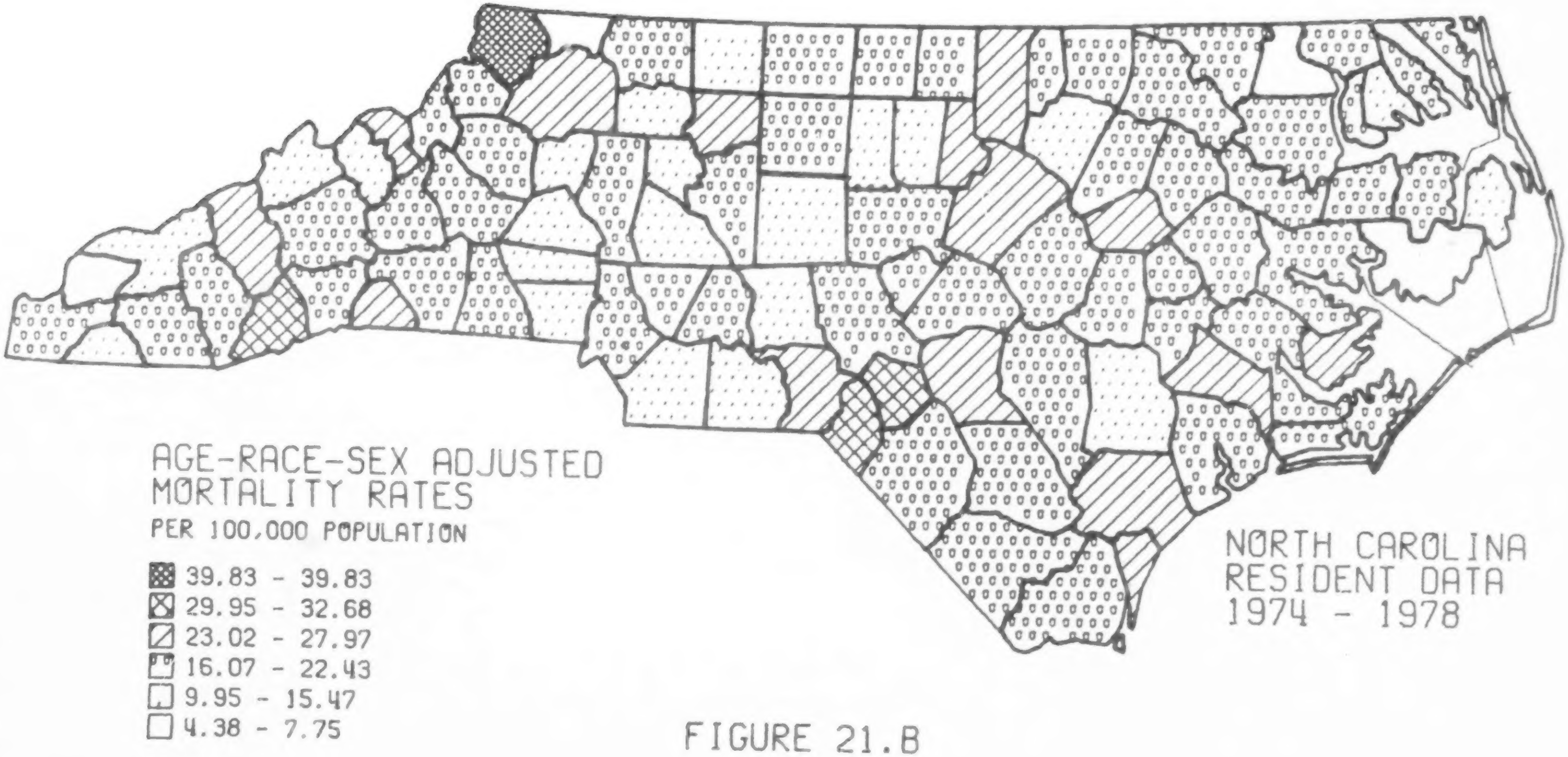

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 39.83 - 39.83
⊠ 29.95 - 32.68
▨ 23.02 - 27.97
▦ 16.07 - 22.43
☐ 9.95 - 15.47
☐ 4.38 - 7.75
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 21.B

Includes Chronic Obstructive Lung Disease (ICDA 519.3) and Bronchitis, Emphysema and Asthma (ICDA 490-493)

TABLE 22

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

CIRRHOSIS OF THE LIVER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	650	11.65	3509	12.80	12.80
REGIONS					
DHR I WESTERN	205	10.79	1102	11.78	12.41
DHR II N. CENTRAL	130	10.91	769	13.03	12.61
DHR III S. CENTRAL	154	12.14	788	12.70	13.97
DHR IV EASTERN	161	13.21	850	14.30	14.33
HSA I WESTERN	89	9.30	467	9.91	11.06
HSA II PIEDMONT	118	11.21	672	12.90	12.91
HSA III S. PIEDMONT	116	12.30	635	13.67	13.75
HSA IV CAPITAL	86	11.22	495	13.23	13.63
HSA V CARDINAL	110	13.00	540	12.98	14.36
HSA VI EASTERN	131	12.92	700	14.17	14.17
COUNTIES					
1 ALAMANCE	8	8.16	55	11.11	10.04
2 ALEXANDER	2	8.84	10	9.06	9.46
3 ALLEGHANY	1	11.35	2	4.55	12.66
4 ANSON	1	4.24	8	6.71	6.05
5 ASHE	3	14.45	7	6.90	21.10
6 AVERY	2	14.48	5	7.15	6.03
7 BEAUFORT	3	7.50	24	12.41	10.72
8 BERTIE	1	4.70	12	11.43	10.87
9 BLADEN	3	10.25	18	12.48	10.89
10 BRUNSWICK	6	18.34	16	9.75	10.03
11 BUNCOMBE	15	9.71	98	12.92	13.02
12 BURKE	3	4.70	39	12.11	13.57
13 CABARRUS	7	8.78	47	11.93	12.21
14 CALDWELL	3	4.92	20	6.61	5.66
15 CAMDEN	0	0.00	1	3.49	2.16
16 CARTERET	4	10.80	23	12.71	12.52
17 CASWELL	1	5.09	8	8.17	8.65
18 CATAWBA	13	12.88	68	13.66	16.77
19 CHATHAM	2	6.44	11	7.24	6.35
20 CHEROKEE	2	11.30	12	13.84	9.55
21 CHOWAN	4	32.62	14	24.33	19.45
22 CLAY	0	0.00	3	10.67	6.98
23 CLEVELAND	6	7.65	31	7.95	8.07
24 COLUMBUS	4	7.75	30	11.79	12.29
25 CRAVEN	5	7.40	45	13.27	16.49
26 CUMBERLAND	31	13.29	134	11.61	19.08
27 CURRITUCK	3	28.32	6	11.85	12.29
28 DARE	1	9.40	7	14.43	14.26
29 DAVIDSON	1	0.97	30	5.91	6.82
30 DAVIE	1	4.45	6	5.57	5.65
31 DUPLIN	3	7.48	23	11.53	9.85
32 DURHAM	19	13.05	118	16.58	16.75
33 EDGECOMBE	10	18.00	51	18.75	16.64
34 FORSYTH	32	13.94	187	16.47	16.16
35 FRANKLIN	2	7.11	19	13.51	14.09
36 GASTON	14	8.97	92	11.79	12.03
37 GATES	1	12.11	2	4.82	5.72
38 GRAHAM	2	28.56	4	11.98	9.55
39 GRANVILLE	3	9.13	14	8.52	9.75
40 GREENE	0	0.00	3	4.00	4.60
41 GUILFORD	42	13.75	229	15.15	15.01

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
CIRRHOSIS OF THE LIVER CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	14	25.24	64	23,17	19.10
43 HARNETT	9	16.15	38	13,97	13.95
44 HAYWOOD	7	15.68	38	17,32	27.71
45 HENDERSON	7	13.55	26	10,47	16,58
46 HERTFORD	5	19.99	17	14,09	13.87
47 HOKE	3	15.93	13	14,54	17.41
48 HYDE	2	36.42	2	7,22	6.30
49 IREDELL	6	7.56	35	8,96	8.69
50 JACKSON	1	3.93	13	10,49	12.88
51 JOHNSTON	9	13.49	37	11,29	10.33
52 JONES	1	10.19	5	10,43	12.56
53 LEE	9	25.65	30	17,69	17.15
54 LENOIR	7	11.91	43	14,58	15.23
55 LINCOLN	5	12.84	24	12,78	16.03
56 MCDOWELL	1	2.93	9	5,35	5.89
57 MACON	2	10.40	7	7,62	4.59
58 MADISON	1	5.81	5	5,90	4.03
59 MARTIN	7	27.58	19	15,10	14.45
60 MECKLENBURG	59	15.33	326	17,27	17.81
61 MITCHELL	1	7.10	4	5,73	4.09
62 MONTGOMERY	6	30.19	12	12,24	10.75
63 MOORE	7	15.66	47	21,85	20.60
64 NASH	14	20.78	43	13,10	11.60
65 NEW HANOVER	17	17.39	84	17,45	17.83
66 NORTHAMPTON	2	8.55	23	19,88	20.61
67 ONSLOW	9	7.65	45	8,37	19.06
68 ORANGE	2	2.87	30	8,73	12.58
69 PAMLICO	0	0.00	4	8,34	8.83
70 PASQUOTANK	6	20.85	21	14,84	13.72
71 PENDER	3	13.54	20	18,93	15.81
72 PERQUIMANS	1	11.38	5	11,75	10.01
73 PERSON	5	18.42	22	16,29	15.60
74 PITT	7	8.58	51	12,92	13.14
75 POLK	2	16.08	6	9,51	6.93
76 RANDOLPH	6	7.08	37	8,91	8.07
77 RICHMOND	5	11.68	28	13,48	12.37
78 ROBESON	10	10.65	50	10,75	13.21
79 ROCKINGHAM	11	14.36	69	18,00	17.33
80 ROWAN	15	16.04	69	14,87	13.21
81 RUTHERFORD	3	5.81	19	7,49	8.10
82 SAMPSON	2	4.07	18	7,46	7.36
83 SCOTLAND	3	9.66	24	16,10	18.64
84 STANLY	5	11.06	17	7,57	5.79
85 STOKES	0	0.00	10	6,04	6.54
86 SURRY	12	21.43	27	9,77	8.18
87 SWAIN	1	9.81	3	6,00	4.85
88 TRANSYLVANIA	2	9.10	11	10,27	12.66
89 TYRRELL	0	0.00	4	20,55	16.24
90 UNION	5	7.65	25	7,91	9.21
91 VANCE	2	5.82	32	18,89	16.12
92 WAKE	33	11.84	172	12,78	14.31
93 WARREN	0	0.00	10	11,98	9.81
94 WASHINGTON	1	6.61	8	10,99	9.26
95 WATAUGA	2	6.96	6	4,19	4.22
96 WAYNE	11	11.83	62	13,66	14.27
97 WILKES	5	8.97	17	6,23	6.33
98 WILSON	9	14.80	73	24,22	20.95
99 YADKIN	4	14.81	14	10,42	14.46
100 YANCEY	2	13.66	4	5,64	4.20

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CIRRHOSIS OF THE LIVER

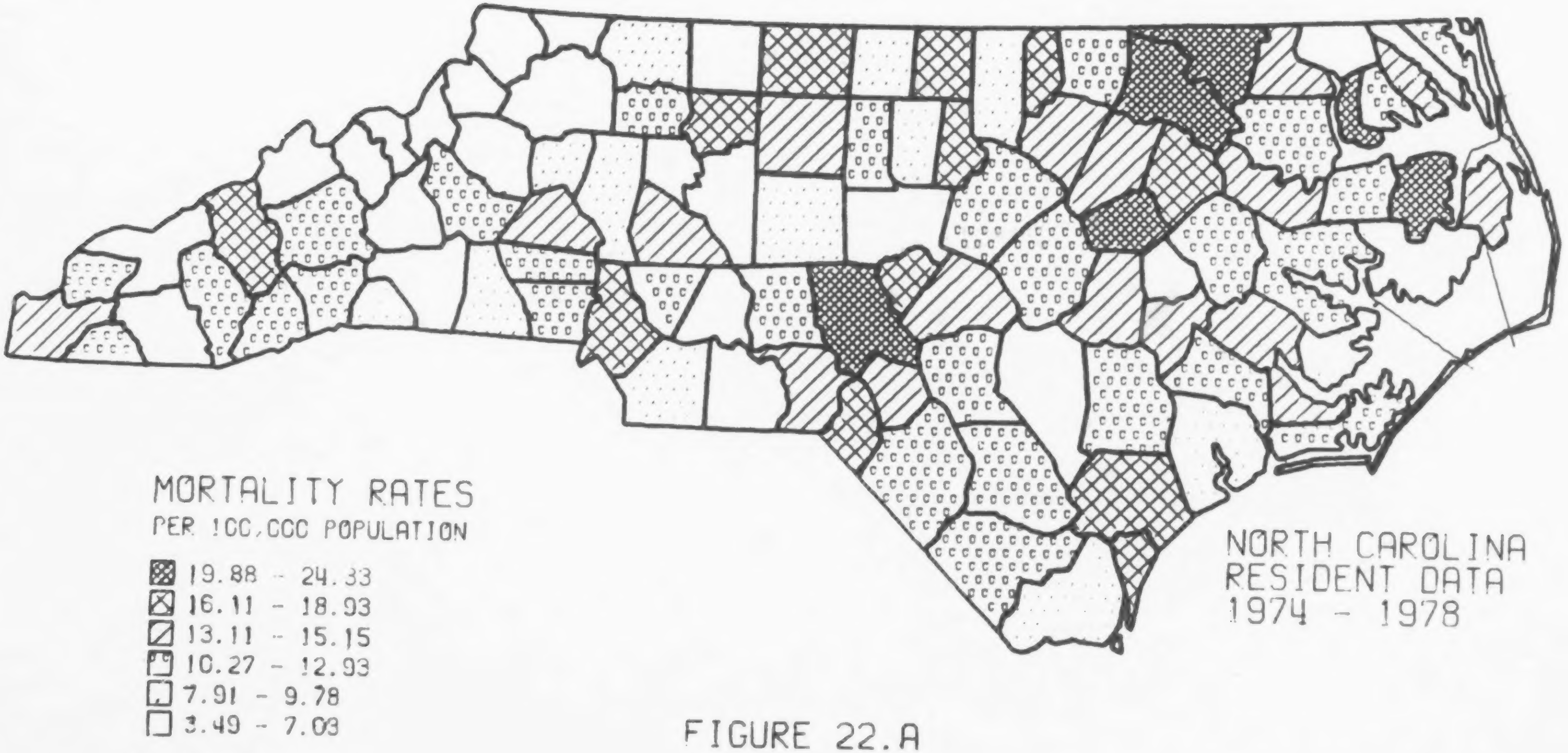

MORTALITY RATES
PER 100,000 POPULATION
▩ 19.88 - 24.33
☒ 16.11 - 18.93
▨ 13.11 - 15.15
10.27 - 12.93
7.91 - 9.78
☐ 3.49 - 7.03
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 22.A

CIRRHOSIS OF THE LIVER

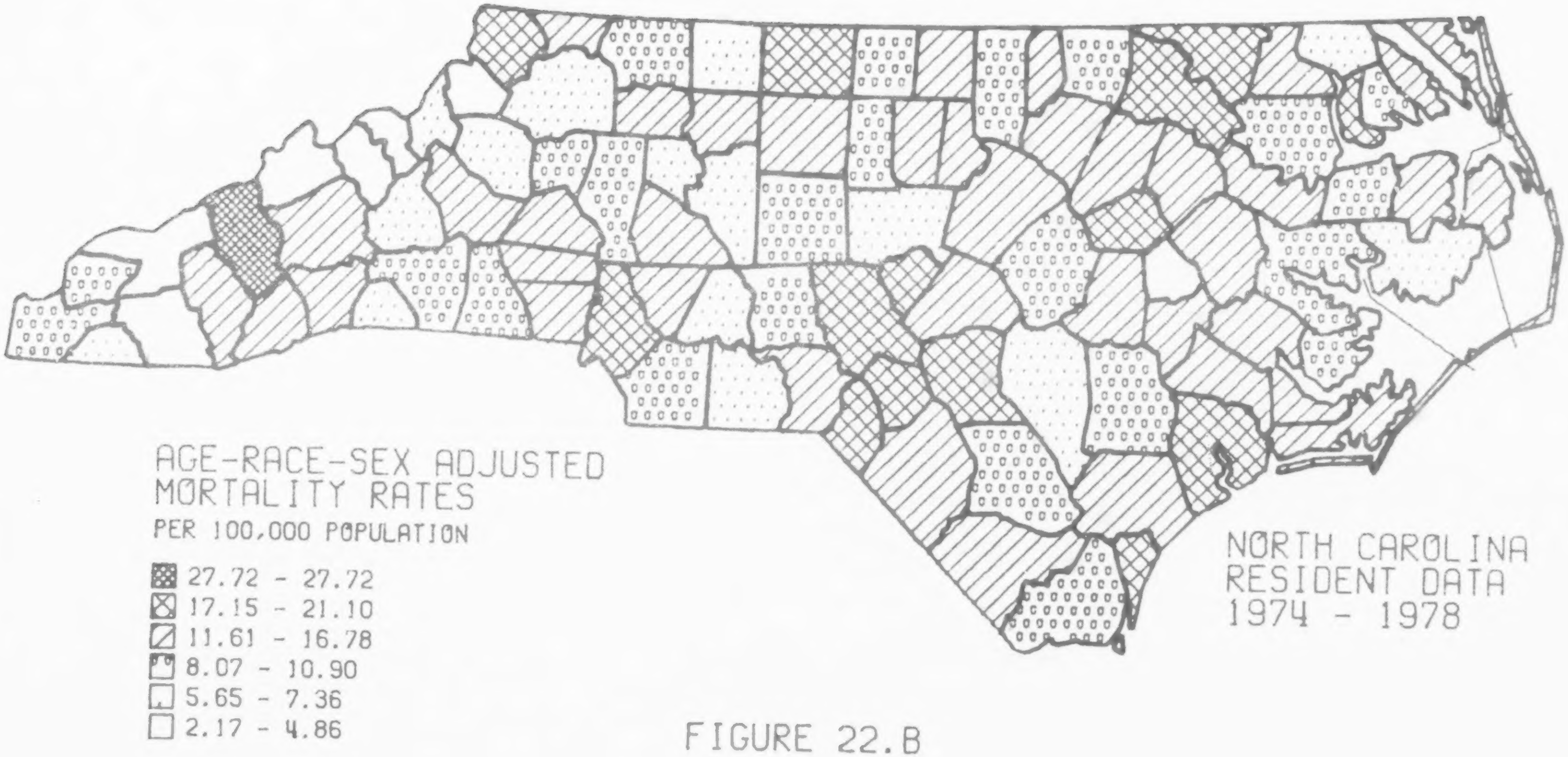

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 27.72 - 27.72
☒ 17.15 - 21.10
▨ 11.61 - 16.78
▦ 8.07 - 10.90
☐ 5.65 - 7.36
☐ 2.17 - 4.86
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 22.B

TABLE 23

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

NEPHRITIS AND NEPHROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	284	5.09	1339	4.88	4.88
REGIONS					
DHR I WESTERN	84	4.42	426	4.55	5.23
DHR II N. CENTRAL	61	5.11	273	4.62	4.63
DHR III S. CENTRAL	64	5.04	325	5.23	5.33
DHR IV EASTERN	75	6.15	315	5.29	4.58
HSA I WESTERN	35	3.65	172	3.65	3.98
HSA II PIEDMONT	48	4.56	230	4.41	4.77
HSA III S. PIEDMONT	49	5.19	254	5.47	6.12
HSA IV CAPITAL	51	6.65	197	5.26	5.05
HSA V CARDINAL	40	4.72	230	5.52	5.42
HSA VI EASTERN	61	6.01	256	5.18	4.49
COUNTIES					
1 ALAMANCE	1	1.02	15	3.03	3.25
2 ALEXANDER	2	8.84	6	5.43	6.96
3 ALLEGHANY	2	22.70	2	4.55	2.54
4 ANSON	2	8.49	14	11.74	6.65
5 ASHE	0	0.00	0	0.00	0.00
6 AVERY	0	0.00	2	2.86	1.65
7 BEAUFORT	1	2.50	8	4.13	3.34
8 BERTIE	2	9.41	4	3.81	3.02
9 BLADEN	0	0.00	10	6.93	5.56
10 BRUNSWICK	2	6.11	11	6.70	7.85
11 BUNCOMBE	2	1.29	25	3.29	3.50
12 BURKE	2	3.13	11	3.41	3.50
13 CABARRUS	2	2.50	21	5.33	5.59
14 CALDWELL	2	3.28	13	4.29	4.99
15 CAMDEN	0	0.00	2	6.98	3.59
16 CARTERET	4	10.80	12	6.63	6.29
17 CASWELL	3	15.27	11	11.23	8.58
18 CATAWBA	3	2.97	19	3.81	4.71
19 CHATHAM	4	12.89	9	5.92	4.79
20 CHEROKEE	4	22.60	8	9.22	5.59
21 CHOWAN	0	0.00	3	5.21	2.15
22 CLAY	0	0.00	0	0.00	0.00
23 CLEVELAND	0	0.00	8	2.05	2.40
24 COLUMBUS	1	1.93	15	5.89	5.37
25 CRAVEN	4	5.92	23	6.78	7.16
26 CUMBERLAND	2	0.85	27	2.34	3.39
27 CURRITUCK	0	0.00	0	0.00	0.00
28 DARE	0	0.00	1	2.06	1.49
29 DAVIDSON	4	3.89	15	2.95	3.59
30 DAVIE	1	4.45	4	3.71	4.45
31 DUPLIN	5	12.48	12	6.01	4.79
32 DURHAM	15	10.30	57	8.01	6.63
33 EDGECOMBE	9	16.20	21	7.72	6.34
34 FORSYTH	12	5.23	67	5.90	5.88
35 FRANKLIN	2	7.11	6	4.26	3.30
36 GASTON	10	6.41	39	4.99	6.25
37 GATES	0	0.00	1	2.41	2.08
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	5	15.22	10	6.09	4.56
40 GREENE	1	6.73	3	4.00	3.96
41 GUILFORD	14	4.58	66	4.36	4.66

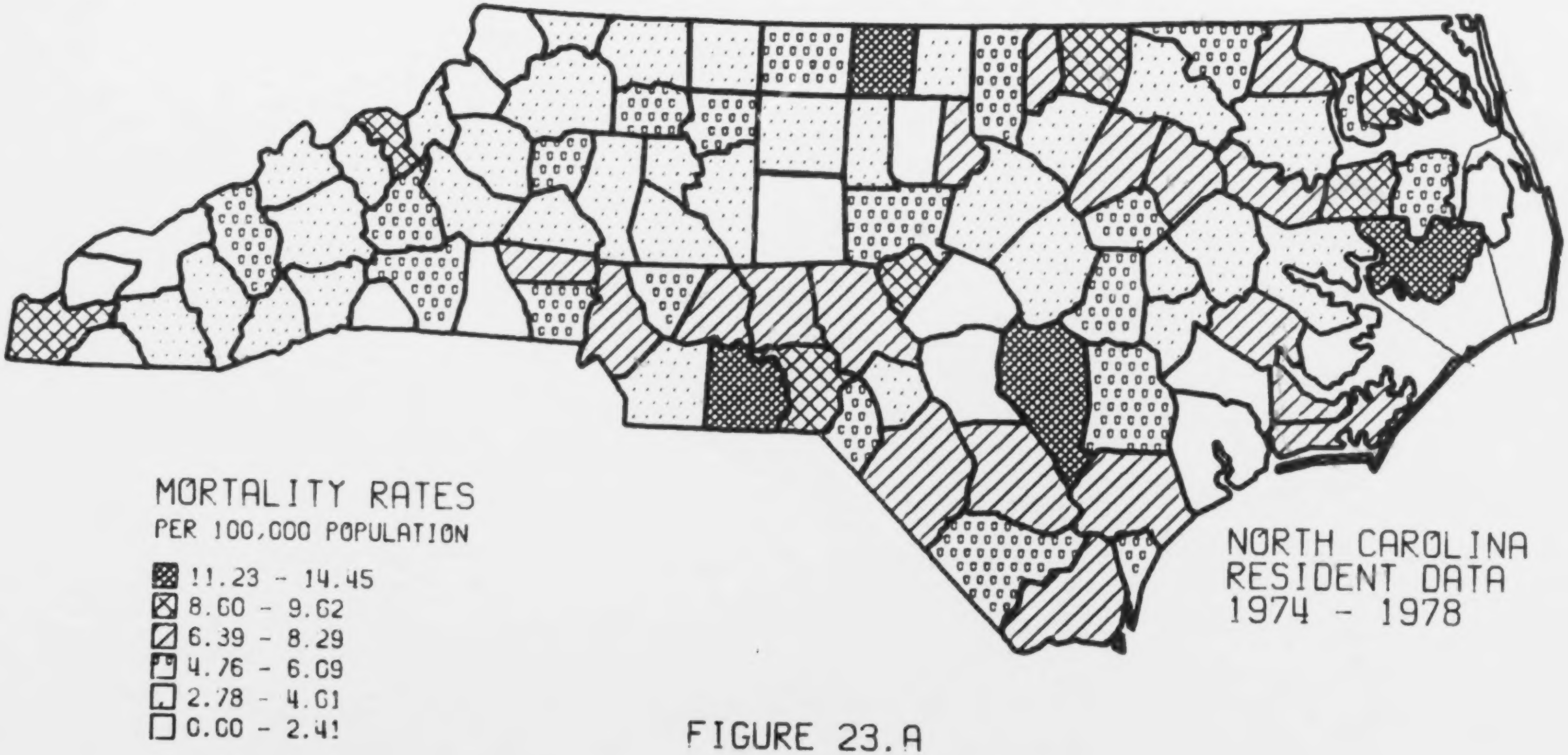
*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
NEPHRITIS AND NEPHROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	2	3.60	12	4.34	2.93
43 HARNETT	3	5.38	5	1.83	1.91
44 HAYWOOD	4	8.96	13	5.92	8.17
45 HENDERSON	0	0.00	8	3.22	3.13
46 HERTFORD	0	0.00	10	8.29	3.30
47 HOKE	1	5.31	4	4.47	5.31
48 HYDE	0	0.00	4	14.45	11.90
49 IREDELL	3	3.78	18	4.60	4.54
50 JACKSON	3	11.80	5	4.03	3.47
51 JOHNSTON	2	2.99	14	4.27	4.24
52 JONES	0	0.00	1	2.08	2.03
53 LEE	4	11.40	15	8.84	8.86
54 LENOIR	4	6.80	11	3.73	3.54
55 LINCOLN	4	10.27	12	6.39	6.55
56 MCDOWELL	3	8.79	8	4.76	9.99
57 MACON	1	5.20	4	4.35	1.88
58 MADISON	0	0.00	3	3.54	1.84
59 MARTIN	2	7.88	10	7.95	6.10
60 MECKLENBURG	22	5.71	124	6.57	7.52
61 MITCHELL	0	0.00	6	8.60	170.06
62 MONTGOMERY	0	0.00	7	7.14	5.96
63 MOORE	3	6.71	14	6.50	5.26
64 NASH	6	8.90	26	7.92	6.88
65 NEW HANOVER	9	9.20	26	5.40	4.83
66 NORTHAMPTON	1	4.27	7	6.05	2.83
67 ONSLOW	2	1.70	8	1.48	3.15
68 ORANGE	1	1.43	4	1.16	1.56
69 PAMLICO	0	0.00	1	2.08	1.17
70 PASQUOTANK	2	6.95	10	7.07	4.95
71 PENDER	2	9.02	7	6.62	4.00
72 PERQUIMANS	2	22.76	4	9.40	7.36
73 PERSON	1	3.68	5	3.70	3.51
74 PITT	2	2.45	17	4.30	3.70
75 POLK	1	8.04	1	1.58	0.70
76 RANDOLPH	2	2.36	8	1.92	3.01
77 RICHMOND	2	4.67	18	8.67	7.40
78 ROBESON	5	5.32	34	7.31	5.32
79 ROCKINGHAM	5	6.53	21	5.47	5.03
80 ROWAN	5	5.34	14	3.01	2.59
81 RUTHERFORD	4	7.75	14	5.52	5.04
82 SAMPSON	8	16.28	29	12.01	10.14
83 SCOTLAND	0	0.00	9	6.04	5.73
84 STANLY	1	2.21	16	7.13	6.63
85 STOKES	0	0.00	4	2.77	3.96
86 SURRY	3	5.35	12	4.34	3.95
87 SWAIN	1	9.81	1	2.00	1.61
88 TRANSYLVANIA	0	0.00	3	2.80	9.88
89 TYRRELL	0	0.00	1	5.13	2.20
90 UNION	2	3.06	10	3.16	3.47
91 VANCE	4	11.64	14	8.26	8.20
92 WAKE	12	4.30	55	4.08	4.72
93 WARREN	1	5.84	8	9.58	5.79
94 WASHINGTON	2	13.23	7	9.62	9.72
95 WATAUGA	0	0.00	2	1.39	1.22
96 WAYNE	4	4.30	22	4.84	4.23
97 WILKES	1	1.79	8	2.93	2.30
98 WILSON	6	9.86	15	4.97	3.73
99 YADKIN	3	11.10	7	5.21	3.27
100 YANCEY	0	0.00	2	2.82	1.68

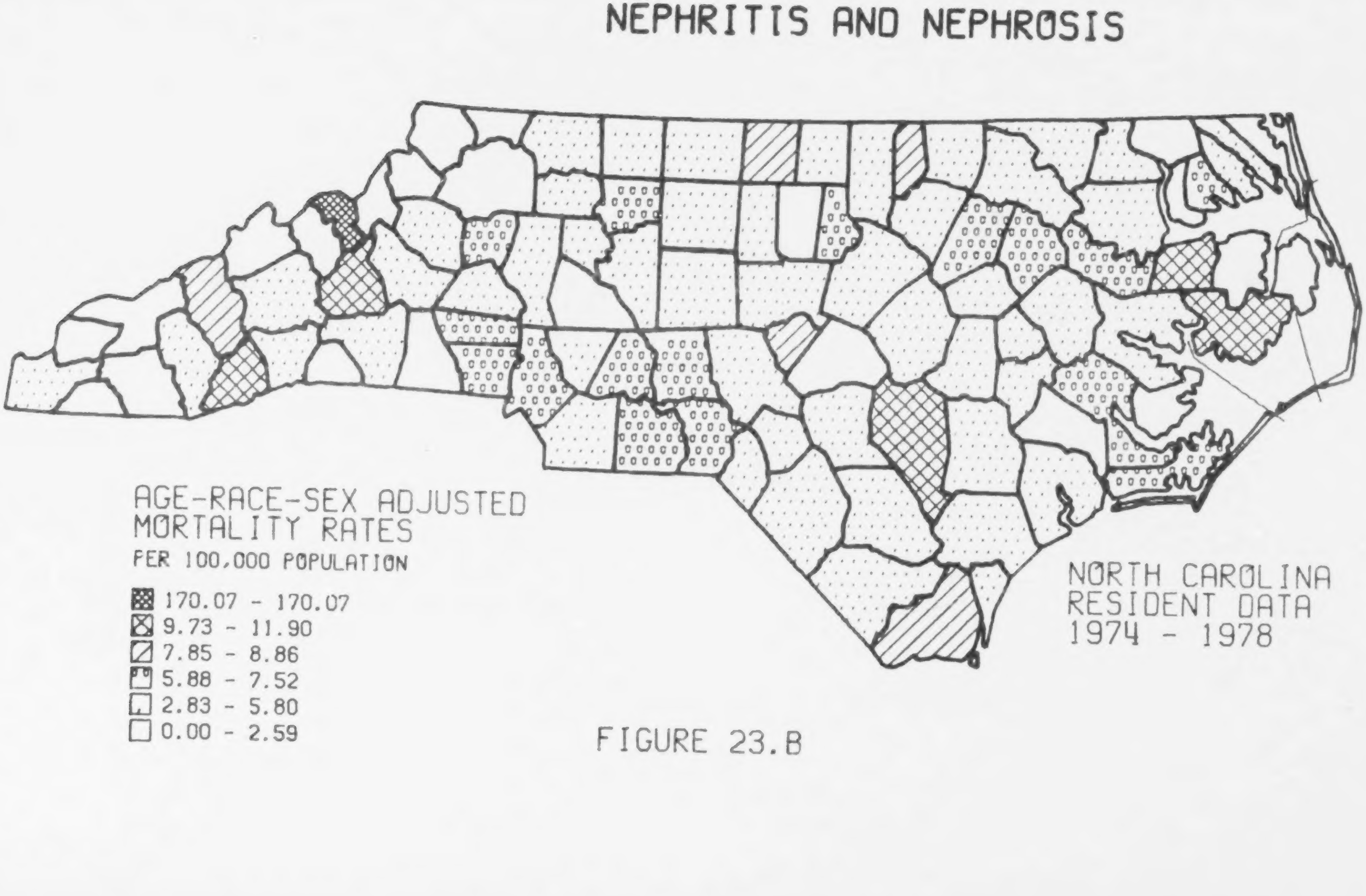
*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

NEPHRITIS AND NEPHROSIS


MORTALITY RATES
PER 100,000 POPULATION
▩ 11.23 - 14.45
☒ 8.00 - 9.62
▨ 6.39 - 8.29
▦ 4.76 - 6.09
▤ 2.78 - 4.01
☐ 0.00 - 2.41

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 23.A


NEPHRITIS AND NEPHROSIS

AGE-RACE-SEX ADJUSTED MORTALITY RATES
PER 100,000 POPULATION
▩ 170.07 - 170.07
☒ 9.73 - 11.90
▨ 7.85 - 8.86
▦ 5.88 - 7.52
☐ 2.83 - 5.80
☐ 0.00 - 2.59
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 23.B

TABLE 24

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

MOTOR VEHICLE ACCIDENTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	1493	26.77	7629	27.84	27.84
REGIONS					
DHR I WESTERN	456	24.01	2332	24.93	26.09
DHR II N. CENTRAL	330	27.69	1519	25.75	26.77
DHR III S. CENTRAL	343	27.04	1873	30.19	28.54
DHR IV EASTERN	364	29.88	1905	32.05	30.65
HSA I WESTERN	238	24.88	1282	27.22	28.30
HSA II PIEDMONT	275	26.14	1271	24.41	25.45
HSA III S. PIEDMONT	218	23.12	1050	22.61	23.85
HSA IV CAPITAL	189	24.67	974	26.03	25.49
HSA V CARDINAL	273	32.26	1455	34.98	32.60
HSA VI EASTERN	300	29.58	1597	32.33	30.67
COUNTIES					
1 ALAMANCE	29	29.58	119	24.05	25.81
2 ALEXANDER	9	39.82	35	31.72	34.57
3 ALLEGHANY	5	56.75	26	59.19	67.45
4 ANSON	6	25.47	37	31.04	26.86
5 ASHE	7	33.72	23	22.69	19.13
6 AVERY	6	43.44	18	25.74	20.50
7 BEAUFORT	14	35.02	78	40.34	41.96
8 BERTIE	5	23.54	36	34.31	32.21
9 BLADEN	8	27.35	61	42.32	42.79
10 BRUNSWICK	23	70.31	72	43.91	44.59
11 BUNCOMBE	25	16.19	159	20.97	21.79
12 BURKE	14	21.94	97	30.12	27.97
13 CABARRUS	27	33.87	82	20.82	21.26
14 CALDWELL	18	29.57	94	31.07	27.87
15 CAMDEN	2	34.80	11	38.42	38.21
16 CARTERET	7	18.91	43	23.76	25.89
17 CASWELL	11	55.99	37	37.79	30.44
18 CATAWBA	34	33.69	131	26.32	26.57
19 CHATHAM	13	41.91	57	37.53	37.88
20 CHEROKEE	6	33.90	29	33.45	57.34
21 CHOWAN	7	57.10	16	27.81	28.58
22 CLAY	2	33.27	6	21.34	18.21
23 CLEVELAND	13	16.59	112	28.72	30.21
24 COLUMBUS	23	44.56	110	43.25	42.86
25 CRAVEN	22	32.58	119	35.10	35.01
26 CUMBERLAND	52	22.29	311	26.95	24.42
27 CURRITUCK	8	75.54	23	45.45	45.60
28 DARE	4	37.63	17	35.06	42.05
29 DAVIDSON	28	27.24	137	27.02	29.35
30 DAVIE	7	31.19	31	28.81	32.57
31 DUPLIN	12	29.95	71	35.61	36.55
32 DURHAM	24	16.48	128	17.98	18.21
33 EDGECOMBE	14	25.21	90	33.09	39.66
34 FORSYTH	41	17.87	244	21.50	21.88
35 FRANKLIN	17	60.46	59	41.98	41.17
36 GASTON	25	16.02	151	19.35	20.82
37 GATES	3	36.33	22	53.03	42.16
38 GRAHAM	2	28.56	8	23.96	48.97
39 GRANVILLE	11	33.48	47	28.62	29.86
40 GREENE	5	33.67	36	48.08	51.92
41 GUILFORD	61	19.97	277	18.33	19.28

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
MOTOR VEHICLE ACCIDENTS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	21	37.86	101	36.56	34.85
43 HARNETT	14	25.13	110	40.43	41.27
44 HAYWOOD	11	24.64	46	20.96	17.63
45 HENDERSON	7	13.55	59	23.76	23.20
46 HERTFORD	6	23.99	48	39.80	29.32
47 HOKE	7	37.17	42	46.99	45.28
48 HYDE	0	0.00	11	39.73	41.57
49 IREDELL	19	23.95	82	20.99	22.56
50 JACKSON	5	19.68	36	29.06	28.57
51 JOHNSTON	27	40.48	127	38.78	39.82
52 JONES	2	20.39	18	37.56	37.99
53 LEE	12	34.20	71	41.87	43.31
54 LENOIR	16	27.23	81	27.47	31.17
55 LINCOLN	22	56.53	74	39.42	42.89
56 MCDOWELL	10	29.30	43	25.59	29.23
57 MACON	4	20.81	22	23.97	21.00
58 MADISON	9	52.31	29	34.24	37.41
59 MARTIN	11	43.34	37	29.42	29.06
60 MECKLENBURG	79	20.53	394	20.88	22.29
61 MITCHELL	4	28.42	11	15.77	14.66
62 MONTGOMERY	4	20.12	39	39.79	41.12
63 MOORE	18	40.28	76	35.33	35.91
64 NASH	30	44.52	112	34.14	34.34
65 NEW HANOVER	15	15.34	94	19.53	20.38
66 NORTHAMPTON	10	42.77	40	34.57	23.99
67 ONSLOW	28	23.81	193	35.93	30.62
68 ORANGE	10	14.37	63	18.35	17.84
69 PAMLICO	1	10.03	16	33.37	37.96
70 PASQUOTANK	7	24.33	37	26.16	25.97
71 PENDER	3	13.54	32	30.28	26.61
72 PERQUIMANS	1	11.38	17	39.97	34.58
73 PERSON	6	22.11	52	38.51	41.02
74 PITT	13	15.93	82	20.77	20.71
75 POLK	7	56.29	20	31.71	31.81
76 RANDOLPH	23	27.15	108	26.00	26.50
77 RICHMOND	17	39.72	73	35.16	35.03
78 ROBESON	52	55.39	243	52.24	44.37
79 ROCKINGHAM	33	43.10	123	32.08	33.80
80 ROWAN	24	25.67	120	25.86	26.99
81 RUTHERFORD	13	25.19	97	38.25	42.02
82 SAMPSON	18	36.63	100	41.44	42.95
83 SCOTLAND	13	41.90	55	36.91	37.06
84 STANLY	10	22.13	58	25.84	26.93
85 STOKES	16	53.29	51	35.41	37.66
86 SURRY	20	35.72	116	42.01	48.72
87 SWAIN	2	19.63	14	28.04	25.67
88 TRANSYLVANIA	4	18.21	20	18.67	15.56
89 TYRRELL	0	0.00	5	25.69	28.87
90 UNION	12	18.38	89	28.17	28.17
91 VANCE	14	40.76	51	30.11	30.84
92 WAKE	48	17.23	280	20.81	20.43
93 WARREN	7	40.94	39	46.72	37.01
94 WASHINGTON	0	0.00	14	19.24	18.64
95 WATAUGA	6	20.89	39	27.27	19.52
96 WAYNE	28	30.11	112	24.68	24.10
97 WILKES	13	23.33	86	31.55	31.17
98 WILSON	23	37.82	111	36.83	36.58
99 YADKIN	6	22.21	28	20.84	16.69
100 YANCEY	2	13.66	22	31.05	26.08

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

MOTOR VEHICLE ACCIDENTS

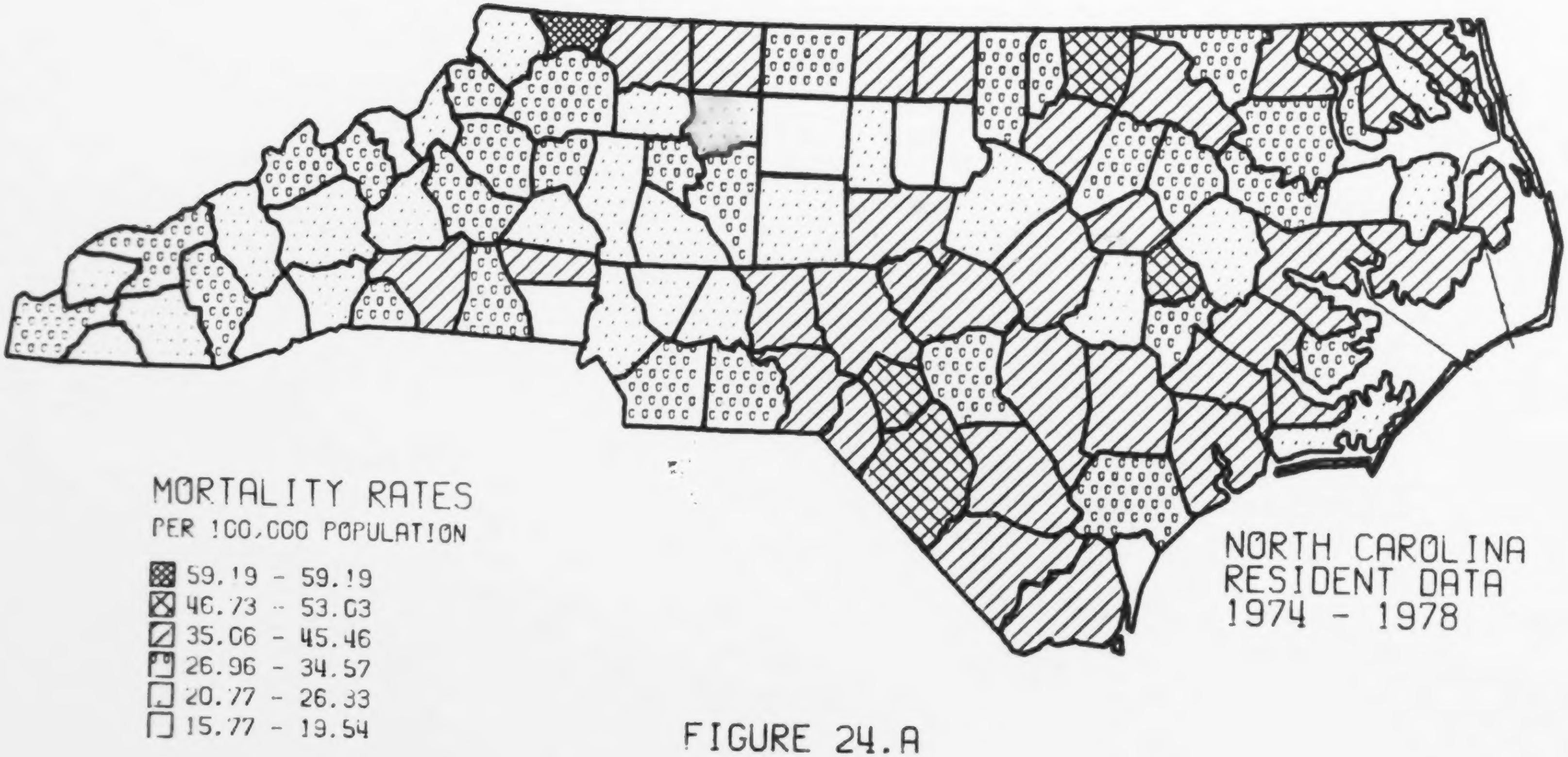

MORTALITY RATES
PER 100,000 POPULATION
▩ 59.19 - 59.19
☒ 46.73 - 53.03
▨ 35.06 - 45.46
▦ 26.96 - 34.57
☐ 20.77 - 26.33
☐ 15.77 - 19.54
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 24.A

MOTOR VEHICLE ACCIDENTS

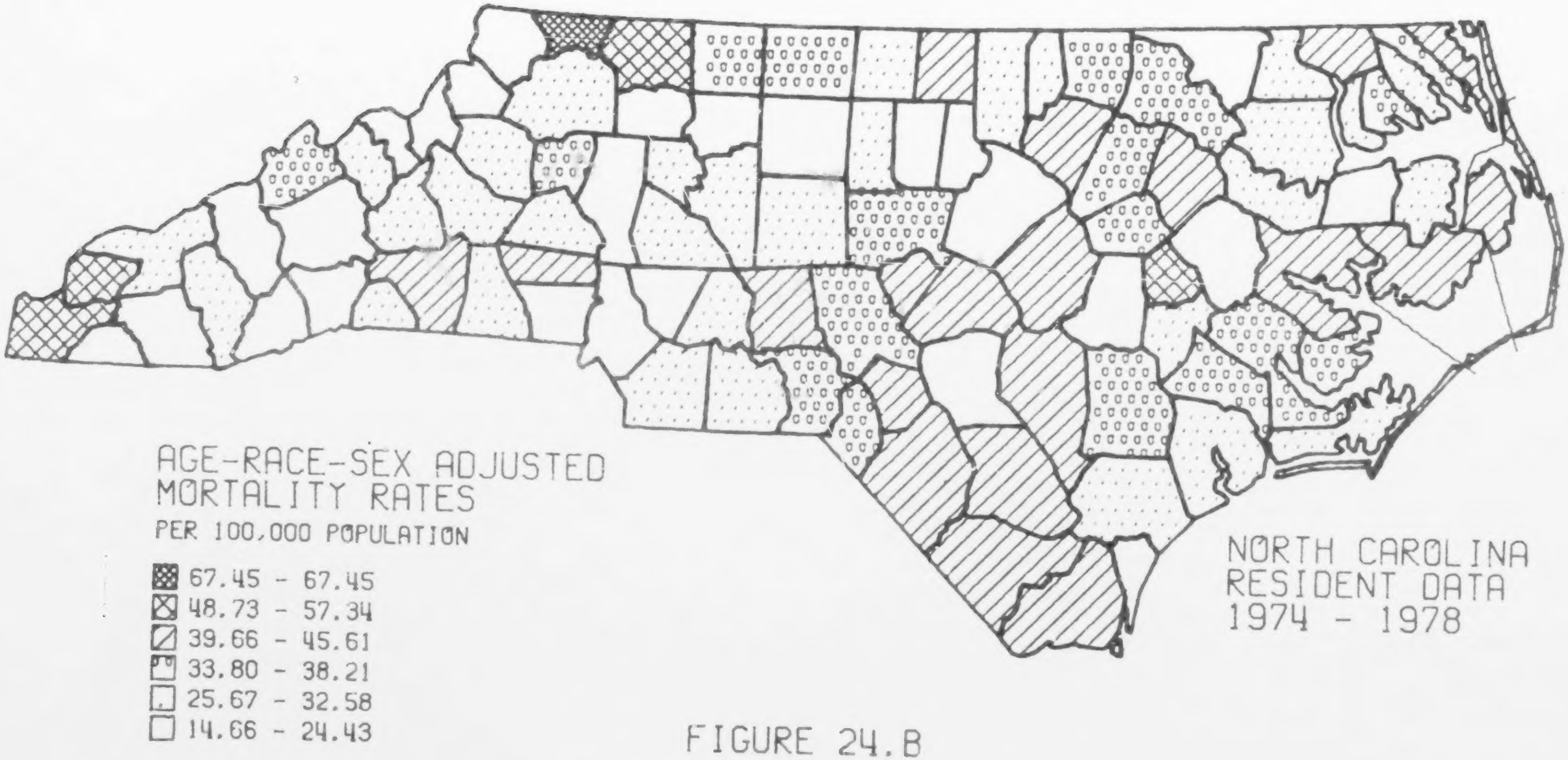

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 67.45 - 67.45
☒ 48.73 - 57.34
▨ 39.66 - 45.61
▦ 33.80 - 38.21
☐ 25.67 - 32.58
☐ 14.66 - 24.43
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 24.B

TABLE 25

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

ACCIDENTS EXCLUDING MOTOR VEHICLES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	1648	29.54	8223	30.01	30.01
REGIONS					
DHR I WESTERN	529	27.85	2678	28.63	29.64
DHR II N. CENTRAL	349	29.29	1644	27.87	28.14
DHR III S. CENTRAL	386	30.43	1827	29.45	29.59
DHR IV EASTERN	384	31.52	2074	34.89	33.58
HSA I WESTERN	286	29.89	1478	31.38	33.30
HSA II PIEDMONT	296	28.13	1381	26.52	27.37
HSA III S. PIEDMONT	243	25.78	1200	25.84	26.90
HSA IV CAPITAL	229	29.89	1071	28.62	28.46
HSA V CARDINAL	274	32.38	1380	33.17	32.53
HSA VI EASTERN	320	31.56	1713	34.68	33.16
COUNTIES					
1 ALAMANCE	22	22.44	126	25.46	25.62
2 ALEXANDER	2	8.84	21	19.03	32.26
3 ALLEGHANY	2	22.70	18	40.97	35.06
4 ANSON	12	50.95	44	36.91	25.28
5 ASHE	8	38.54	35	34.54	76.80
6 AVERY	4	28.96	26	37.18	38.71
7 BEAUFORT	8	20.01	68	35.17	33.47
8 BERTIE	7	32.96	41	39.07	27.11
9 BLADEN	10	34.19	64	44.40	41.67
10 BRUNSWICK	16	48.91	74	45.13	45.28
11 BUNCOMBE	48	31.08	263	34.68	32.29
12 BURKE	13	20.37	96	29.81	31.55
13 CABARRUS	21	26.34	101	25.65	26.06
14 CALDWELL	16	26.28	81	26.77	32.27
15 CAMDEN	2	34.80	11	38.42	34.75
16 CARTERET	22	59.44	66	36.47	37.99
17 CASWELL	13	66.18	37	37.79	34.32
18 CATAWBA	22	21.80	118	23.71	29.36
19 CHATHAM	11	35.46	44	28.97	26.29
20 CHEROKEE	10	56.50	34	39.22	37.93
21 CHOWAN	6	48.94	21	36.50	28.85
22 CLAY	3	49.91	8	28.46	19.10
23 CLEVELAND	28	35.74	111	28.47	30.43
24 COLUMBUS	15	29.06	94	36.96	35.86
25 CRAVEN	26	38.50	125	36.87	36.30
26 CUMBERLAND	60	25.72	291	25.22	30.45
27 CURRITUCK	4	37.77	22	43.48	44.00
28 DARE	7	65.85	18	37.12	29.57
29 DAVIDSON	26	25.30	119	23.47	25.55
30 DAVIE	8	35.64	25	23.23	25.83
31 DUPLIN	19	47.42	73	36.61	33.11
32 DURHAM	41	28.16	195	27.40	26.47
33 EDGECOMBE	13	23.41	115	42.29	40.64
34 FORSYTH	60	26.15	285	25.11	25.80
35 FRANKLIN	10	35.56	55	39.13	31.31
36 GASTON	34	21.80	192	24.61	25.35
37 GATES	5	60.56	9	21.69	15.10
38 GRAHAM	3	42.84	14	41.93	58.30
39 GRANVILLE	11	33.48	54	32.88	29.39
40 GREENE	1	6.73	17	22.70	19.56
41 GUILFORD	74	24.22	394	26.07	26.67

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
ACCIDENTS EXCLUDING MOTOR VEHICLES CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	24	43.27	105	38.01	32.62
43 HARNETT	27	48.46	101	37.13	37.91
44 HAYWOOD	16	35.84	81	36.92	40.61
45 HENDERSON	17	32.91	101	40.69	40.68
46 HERTFORD	5	19.99	42	34.82	30.90
47 HOKE	2	10.62	25	27.97	29.62
48 HYDE	5	91.05	16	57.80	46.69
49 IREDELL	26	32.78	117	29.95	30.53
50 JACKSON	5	19.68	37	29.87	32.72
51 JOHNSTON	21	31.48	122	37.25	37.92
52 JONES	1	10.19	13	27.12	28.09
53 LEE	10	28.50	49	28.89	28.37
54 LENOIR	8	13.61	108	36.63	34.27
55 LINCOLN	13	33.40	56	29.83	35.62
56 MCDOWELL	4	11.72	37	22.02	22.16
57 MACON	2	10.40	24	26.15	28.52
58 MADISON	11	63.93	42	49.59	87.38
59 MARTIN	11	43.34	47	37.37	35.92
60 MECKLENBURG	94	24.43	466	24.69	26.31
61 MITCHELL	7	49.74	21	30.11	20.09
62 MONTGOMERY	12	60.38	46	46.94	42.31
63 MOORE	11	24.61	66	30.68	29.21
64 NASH	19	28.20	104	31.70	28.64
65 NEW HANOVER	26	26.60	143	29.72	30.93
66 NORTHAMPTON	7	29.94	35	30.25	23.42
67 ONSLOW	29	24.66	147	27.36	37.53
68 ORANGE	24	34.50	88	25.63	30.52
69 PAMLICO	8	80.28	30	62.57	57.24
70 PASQUOTANK	7	24.33	52	36.76	33.95
71 PENDER	7	31.59	50	47.32	42.52
72 PERQUIMANS	1	11.38	10	23.51	16.87
73 PERSON	7	25.80	40	29.62	26.02
74 PITT	19	23.29	131	33.19	33.33
75 POLK	5	40.20	24	38.05	27.78
76 RANDOLPH	29	34.23	117	28.17	32.95
77 RICHMOND	15	35.04	68	32.75	31.39
78 ROBESON	30	31.95	187	40.20	31.83
79 ROCKINGHAM	26	33.95	111	28.95	29.02
80 ROWAN	25	26.74	112	24.14	23.57
81 RUTHERFORD	14	27.13	75	29.57	35.54
82 SAMPSON	22	44.78	88	36.47	33.74
83 SCOTLAND	9	29.00	39	26.17	23.42
84 STANLY	16	35.40	75	33.42	31.37
85 STOKES	5	16.65	36	24.99	23.02
86 SURRY	24	42.86	94	34.04	38.25
87 SWAIN	3	29.44	20	40.05	35.98
88 TRANSYLVANIA	3	13.66	30	28.01	35.02
89 TYRRELL	3	74.14	15	77.07	61.57
90 UNION	14	21.44	81	25.64	28.25
91 VANCE	16	46.59	72	42.52	39.21
92 WAKE	69	24.77	310	23.04	25.74
93 WARREN	9	52.64	42	50.32	30.55
94 WASHINGTON	8	52.95	31	42.61	38.73
95 WATAUGA	10	34.83	37	25.88	22.73
96 WAYNE	22	23.66	132	29.09	30.20
97 WILKES	21	37.69	84	30.82	28.32
98 WILSON	23	37.82	109	36.16	33.32
99 YADKIN	9	33.32	37	27.54	32.42
100 YANCEY	9	61.48	40	56.46	38.73

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

ACCIDENTS EXCLUDING MOTOR VEHICLES

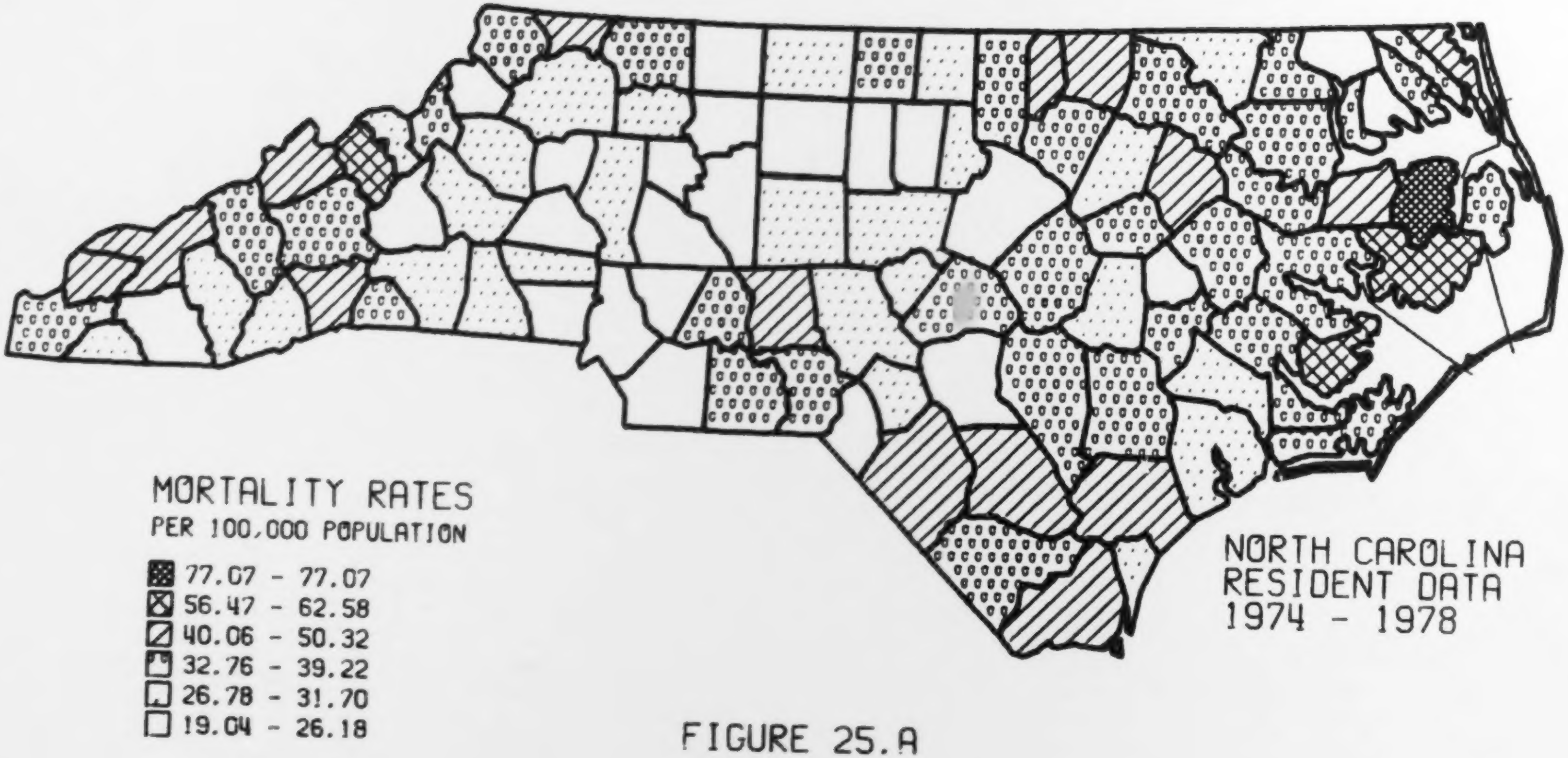

MORTALITY RATES
PER 100,000 POPULATION
▩ 77.07 - 77.07
☒ 56.47 - 62.58
▨ 40.06 - 50.32
▤ 32.76 - 39.22
▥ 26.78 - 31.70
☐ 19.04 - 26.18
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 25.A

ACCIDENTS EXCLUDING MOTOR VEHICLES

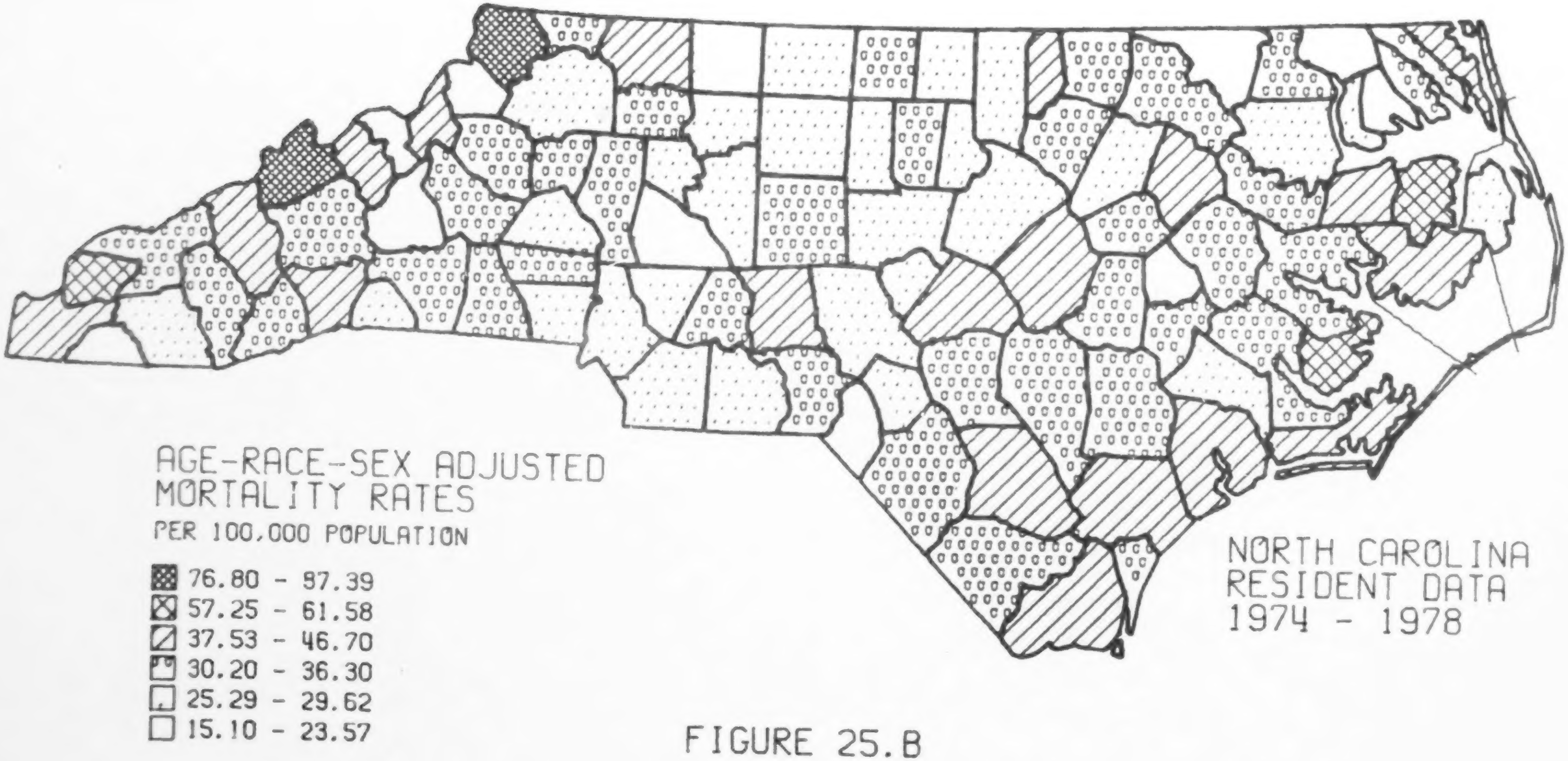

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 76.80 - 87.39
☒ 57.25 - 61.58
▨ 37.53 - 46.70
▤ 30.20 - 36.30
☐ 25.29 - 29.62
☐ 15.10 - 23.57
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 25.B

TABLE 26

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

SUICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	656	11.76	3497	12.76	12.76
REGIONS					
DHR I WESTERN	249	13.11	1245	13.31	12.34
DHR II N. CENTRAL	145	12.16	807	13.68	13.50
DHR III S. CENTRAL	148	11.66	761	12.26	13.47
DHR IV EASTERN	114	9.35	684	11.50	12.62
HSA I WESTERN	143	14.94	668	14.18	12.80
HSA II PIEDMONT	127	12.07	699	13.42	13.04
HSA III S. PIEDMONT	106	11.24	577	12.42	12.06
HSA IV CAPITAL	108	14.09	540	14.43	15.30
HSA V CARDINAL	80	9.45	448	10.77	12.08
HSA VI EASTERN	92	9.07	565	11.44	12.69
COUNTIES					
1 ALAMANCE	12	12.24	62	12.53	12.14
2 ALEXANDER	2	8.84	11	9.97	8.56
3 ALLEGHANY	1	11.35	3	6.82	5.29
4 ANSON	3	12.73	14	11.74	13.51
5 ASHE	5	24.08	23	22.69	18.65
6 AVERY	1	7.24	8	11.44	8.58
7 BEAUFORT	4	10.00	36	18.62	19.84
8 BERTIE	2	9.41	12	11.43	13.10
9 BLADEN	0	0.00	11	7.63	9.32
10 BRUNSWICK	5	15.28	26	15.85	16.22
11 BUNCOMBE	38	24.60	148	19.52	17.52
12 BURKE	8	12.53	43	13.35	12.84
13 CABARRUS	10	12.54	52	13.20	12.80
14 CALDWELL	9	14.78	43	14.21	13.46
15 CAMDEN	0	0.00	1	3.49	7.43
16 CARTERET	6	16.21	25	13.81	12.53
17 CASWELL	2	10.18	15	15.32	20.01
18 CATAWBA	16	15.85	49	9.84	8.16
19 CHATHAM	5	16.11	23	15.14	15.23
20 CHEROKEE	2	11.30	11	12.68	8.40
21 CHOWAN	1	8.15	6	10.42	12.49
22 CLAY	1	16.63	8	28.46	21.52
23 CLEVELAND	8	10.21	47	12.05	11.86
24 COLUMBUS	5	9.68	25	9.83	10.09
25 CRAVEN	3	4.44	30	8.84	10.79
26 CUMBERLAND	21	9.00	112	9.70	10.70
27 CURRITUCK	0	0.00	6	11.85	12.00
28 DARE	0	0.00	1	2.06	1.22
29 DAVIDSON	15	14.59	64	12.62	11.35
30 DAVIE	1	4.45	7	6.50	5.55
31 DUPLIN	2	4.99	11	5.51	5.77
32 DURHAM	21	14.42	108	15.17	17.33
33 EDGECOMBE	6	10.80	24	8.82	9.62
34 FORSYTH	31	13.51	148	13.04	13.23
35 FRANKLIN	5	17.78	23	16.36	16.79
36 GASTON	16	10.25	78	9.99	9.74
37 GATES	1	12.11	3	7.23	6.03
38 GRAHAM	3	42.84	8	23.96	22.11
39 GRANVILLE	6	18.26	33	20.09	20.09
40 GREENE	1	6.73	10	13.35	15.74
41 GUILFORD	33	10.80	190	12.57	12.71

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
SUICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	4	7.21	40	14.48	17.57
43 HARNETT	7	12.56	38	13.97	13.94
44 HAYWOOD	5	11.20	26	11.85	17.89
45 HENDERSON	12	23.23	45	18.12	16.44
46 HERTFORD	1	3.99	6	4.97	3.77
47 HOKE	2	10.62	12	13.42	21.65
48 HYDE	0	0.00	2	7.22	8.31
49 IREDELL	14	17.65	66	16.89	15.71
50 JACKSON	5	19.68	23	18.56	22.11
51 JOHNSTON	11	16.49	55	16.79	16.17
52 JONES	0	0.00	7	14.60	17.53
53 LEE	5	14.25	29	17.10	17.41
54 LENOIR	5	8.51	37	12.55	14.26
55 LINCOLN	4	10.27	30	15.98	14.28
56 MCDOWELL	3	8.79	22	13.09	10.24
57 MACON	2	10.40	17	18.52	13.45
58 MADISON	1	5.81	9	10.62	8.99
59 MARTIN	2	7.88	12	9.54	11.34
60 MECKLENBURG	43	11.17	236	12.50	13.02
61 MITCHELL	1	7.10	5	7.17	4.75
62 MONTGOMERY	2	10.06	6	6.12	6.23
63 MOORE	3	6.71	11	5.11	5.05
64 NASH	10	14.84	47	14.32	14.84
65 NEW HANOVER	11	11.25	60	12.47	12.91
66 NORTHAMPTON	3	12.83	19	16.42	21.41
67 ONSLOW	7	5.95	46	8.56	11.75
68 ORANGE	16	23.00	54	15.72	17.67
69 PAMLICO	2	20.07	8	16.68	14.83
70 PASQUOTANK	3	10.42	14	9.89	11.16
71 PENDER	1	4.51	8	7.57	8.57
72 PERQUIMANS	2	22.76	4	9.40	12.58
73 PERSON	5	18.42	25	18.51	19.21
74 PITT	7	8.58	50	12.66	14.83
75 POLK	1	8.04	6	9.51	8.22
76 RANDOLPH	6	7.08	48	11.55	9.49
77 RICHMOND	4	9.34	21	10.11	10.52
78 ROBESON	7	7.45	53	11.39	16.74
79 ROCKINGHAM	9	11.75	57	14.87	14.83
80 ROWAN	9	9.62	56	12.07	10.75
81 RUTHERFORD	6	11.62	28	11.04	10.77
82 SAMPSON	6	12.21	33	13.67	14.85
83 SCOTLAND	3	9.66	18	12.08	16.40
84 STANLY	3	6.63	25	11.14	10.15
85 STOKES	5	16.65	22	15.27	13.23
86 SURRY	10	17.86	64	23.18	18.29
87 SWAIN	1	9.81	6	12.01	12.51
88 TRANSYLVANIA	1	4.55	13	12.14	9.91
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	7	10.72	34	10.76	10.65
91 VANCE	2	5.82	20	11.81	13.90
92 WAKE	32	11.48	163	12.11	12.53
93 WARREN	0	0.00	7	8.38	13.95
94 WASHINGTON	1	6.61	8	10.99	11.08
95 WATAUGA	3	10.44	18	12.59	10.38
96 WAYNE	13	13.98	57	12.56	13.93
97 WILKES	6	10.77	37	13.57	10.77
98 WILSON	6	9.86	43	14.26	15.55
99 YADKIN	3	11.10	22	16.37	12.23
100 YANCEY	2	13.66	11	15.52	12.04

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

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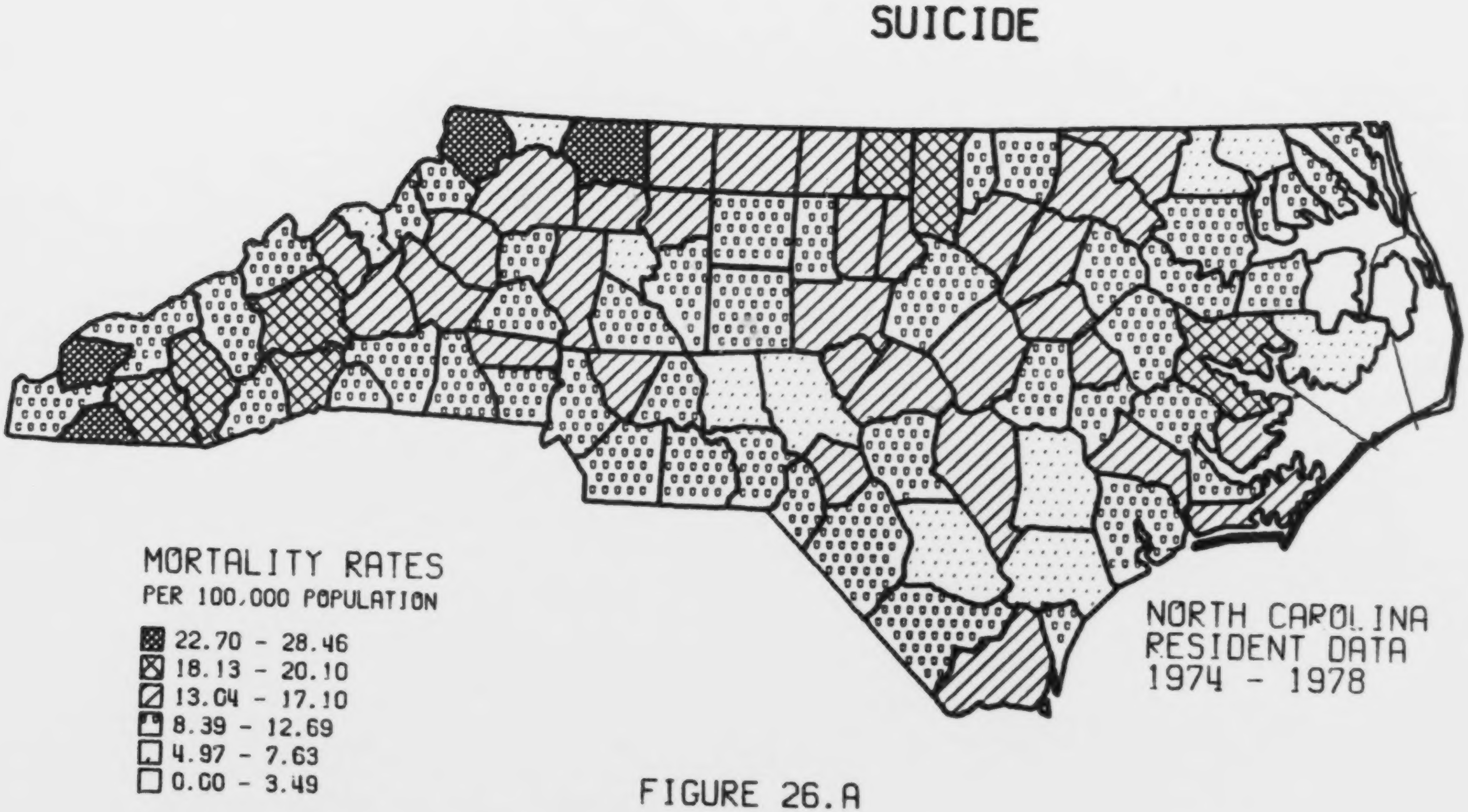
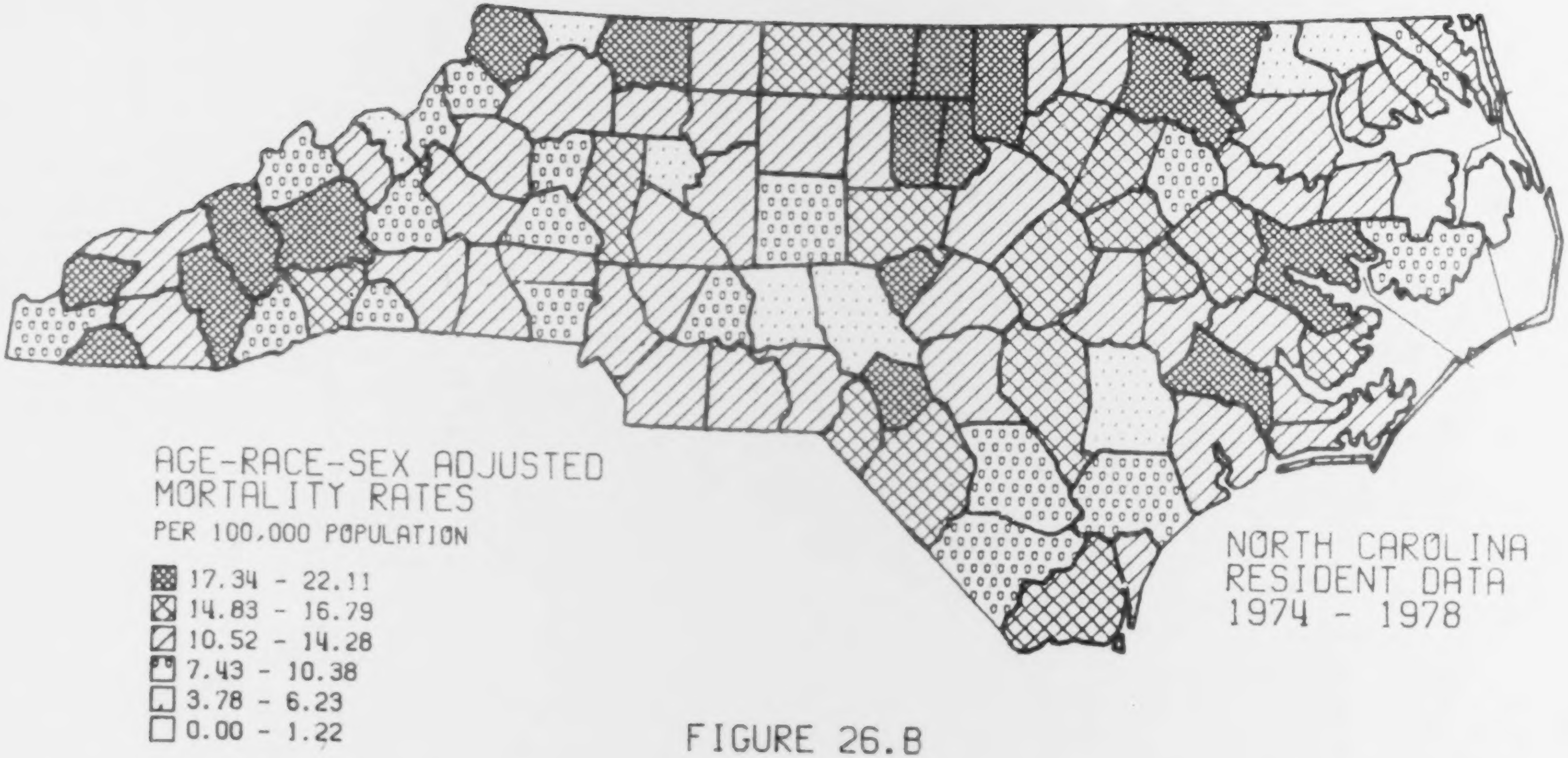

SUICIDE
MORTALITY RATES
PER 100,000 POPULATION
▩ 22.70 - 28.46
☒ 18.13 - 20.10
▨ 13.04 - 17.10
▤ 8.39 - 12.69
☐ 4.97 - 7.63
☐ 0.00 - 3.49
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 26.A

SUICIDE


AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 17.34 - 22.11
☒ 14.83 - 16.79
▨ 10.52 - 14.28
░ 7.43 - 10.38
⬚ 3.78 - 6.23
☐ 0.00 - 1.22

NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 26.B

TABLE 27

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

HOMICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	660	11.83	3520	12.84	12.84
REGIONS					
DHR I WESTERN	215	11.32	1118	11.95	15.58
DHR II N. CENTRAL	137	11.49	690	11.69	12.33
DHR III S. CENTRAL	165	13.00	950	15.31	13.30
DHR IV EASTERN	143	11.73	762	12.82	11.19
HSA I WESTERN	94	9.82	465	9.87	14.32
HSA II PIEDMONT	109	10.36	568	10.91	12.14
HSA III S. PIEDMONT	121	12.83	653	14.06	15.84
HSA IV CAPITAL	95	12.40	505	13.49	12.15
HSA V CARDINAL	119	14.06	708	17.02	14.52
HSA VI EASTERN	122	12.03	621	12.57	10.79
COUNTIES					
1 ALAMANCE	5	5.10	44	8.89	10.43
2 ALEXANDER	1	4.42	12	10.87	12.19
3 ALLEGHANY	1	11.35	2	4.55	19.11
4 ANSON	4	16.98	22	18.45	13.91
5 ASHE	0	0.00	6	5.92	4.91
6 AVERY	2	14.48	6	8.58	6.41
7 BEAUFORT	1	2.50	19	9.82	9.20
8 BERTIE	4	18.83	16	15.24	9.74
9 BLADEN	4	13.67	26	18.03	15.40
10 BRUNSWICK	0	0.00	9	5.48	6.10
11 BUNCOMBE	15	9.71	88	11.60	15.87
12 BURKE	6	9.40	32	9.93	12.29
13 CABARRUS	11	13.80	41	10.41	13.73
14 CALDWELL	6	9.85	37	12.23	16.79
15 CAMDEN	1	17.40	2	6.98	4.03
16 CARTERET	5	13.51	22	12.15	15.30
17 CASWELL	2	10.18	14	14.29	10.28
18 CATAWBA	13	12.88	38	7.63	11.67
19 CHATHAM	6	19.34	18	11.85	10.59
20 CHEROKEE	3	16.95	12	13.84	12.17
21 CHOWAN	0	0.00	2	3.47	2.34
22 CLAY	1	16.63	2	7.11	6.16
23 CLEVELAND	8	10.21	40	10.26	11.60
24 COLUMBUS	9	17.43	50	19.66	19.22
25 CRAVEN	4	5.92	35	10.32	9.70
26 CUMBERLAND	34	14.57	199	17.25	16.15
27 CURRITUCK	1	9.44	4	7.90	8.11
28 DARE	0	0.00	1	2.06	2.23
29 DAVIDSON	13	12.65	51	10.06	12.18
30 DAVIE	4	17.82	10	9.29	13.99
31 DUPLIN	6	14.97	27	13.54	11.71
32 DURHAM	17	11.67	117	16.44	13.68
33 EDGECOMBE	4	7.20	23	8.45	6.90
34 FORSYTH	20	8.71	132	11.63	11.74
35 FRANKLIN	8	28.45	34	24.19	19.71
36 GASTON	22	14.10	122	15.63	20.35
37 GATES	4	48.44	5	12.05	7.05
38 GRAHAM	0	0.00	3	8.98	7.60
39 GRANVILLE	9	27.39	32	19.48	16.29
40 GREENE	1	6.73	5	6.67	5.59
41 GUILFORD	34	11.13	169	11.18	11.11

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
HOMICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	6	10.81	37	13,39	9.85
43 HARNETT	13	23.33	47	17,27	18.00
44 HAYWOOD	4	8.96	14	6.38	8.77
45 HENDERSON	11	21.30	30	12.08	25.55
46 HERTFORD	3	11.99	17	14,09	10.49
47 HOKE	3	15.93	26	29,09	20.47
48 HYDE	1	18.21	4	14,45	7.97
49 IREDELL	9	11.34	55	14,08	16.73
50 JACKSON	2	7.87	19	15,33	23.42
51 JOHNSTON	10	14.99	55	16,79	18.45
52 JONES	0	0.00	8	16,69	13.18
53 LEE	7	19.95	36	21.23	23.06
54 LENOIR	14	23.83	59	20,01	16.75
55 LINCOLN	3	7,70	16	8,52	15.36
56 MCDOWELL	2	5.86	9	5,35	8.76
57 MACON	0	0.00	3	3,26	2.85
58 MADISON	5	29.06	16	18,89	15.03
59 MARTIN	1	3,94	18	14,31	11.68
60 MECKLENBURG	63	16.37	349	18,49	17.69
61 MITCHELL	0	0.00	3	4,30	4.02
62 MONTGOMERY	1	5.03	18	18,36	17.84
63 MOORE	5	11.18	25	11,62	12.45
64 NASH	12	17.81	46	14,02	12.09
65 NEW HANOVER	9	9.20	69	14,34	14.43
66 NORTHAMPTON	3	12.83	21	18,15	8.15
67 ONSLOW	10	8.50	56	10,42	11.37
68 ORANGE	5	7.18	27	7,86	8.90
69 PAMLICO	0	0.00	2	4.17	5.47
70 PASQUOTANK	2	6.95	16	11,31	9.18
71 PENDER	3	13.54	13	12,30	7.87
72 PERQUIMANS	0	0.00	2	4.70	4.73
73 PERSON	5	18.42	19	14,07	12.62
74 PITT	6	7.35	39	9,88	9.08
75 POLK	3	24.12	6	9,51	13.86
76 RANDOLPH	10	11.80	52	12,52	17.61
77 RICHMOND	5	11.68	32	15,41	15.14
78 ROBESON	19	20,23	121	26,01	18.31
79 ROCKINGHAM	11	14.36	45	11,73	12.84
80 ROWAN	4	4.27	25	5,38	6.24
81 RUTHERFORD	6	11.62	36	14.19	21.82
82 SAMPSON	3	6.10	27	11,19	9.10
83 SCOTLAND	7	22.56	24	16,10	15.38
84 STANLY	1	2,21	19	8,46	13.70
85 STOKES	3	9.99	16	11.11	17.30
86 SURRY	6	10.71	24	8,69	17.41
87 SWAIN	2	19.63	10	20,02	18.62
88 TRANSYLVANIA	1	4.55	5	4,66	4.00
89 TYRRELL	0	0.00	0	0,00	0.00
90 UNION	8	12,25	26	8,23	9.46
91 VANCE	5	14,55	27	15.94	14.50
92 WAKE	22	7.89	130	9,66	9.43
93 WARREN	1	5.84	10	11,98	6.12
94 WASHINGTON	0	0.00	2	2,74	1,79
95 WATAUGA	0	0.00	5	3,49	2.66
96 WAYNE	23	24,73	78	17,19	15.32
97 WILKES	2	3.59	26	9.54	14.64
98 WILSON	10	16.44	55	18,24	15.28
99 YADKIN	1	3.70	11	8,18	15.54
100 YANCEY	0	0.00	5	7,05	6.23

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

HOMICIDE

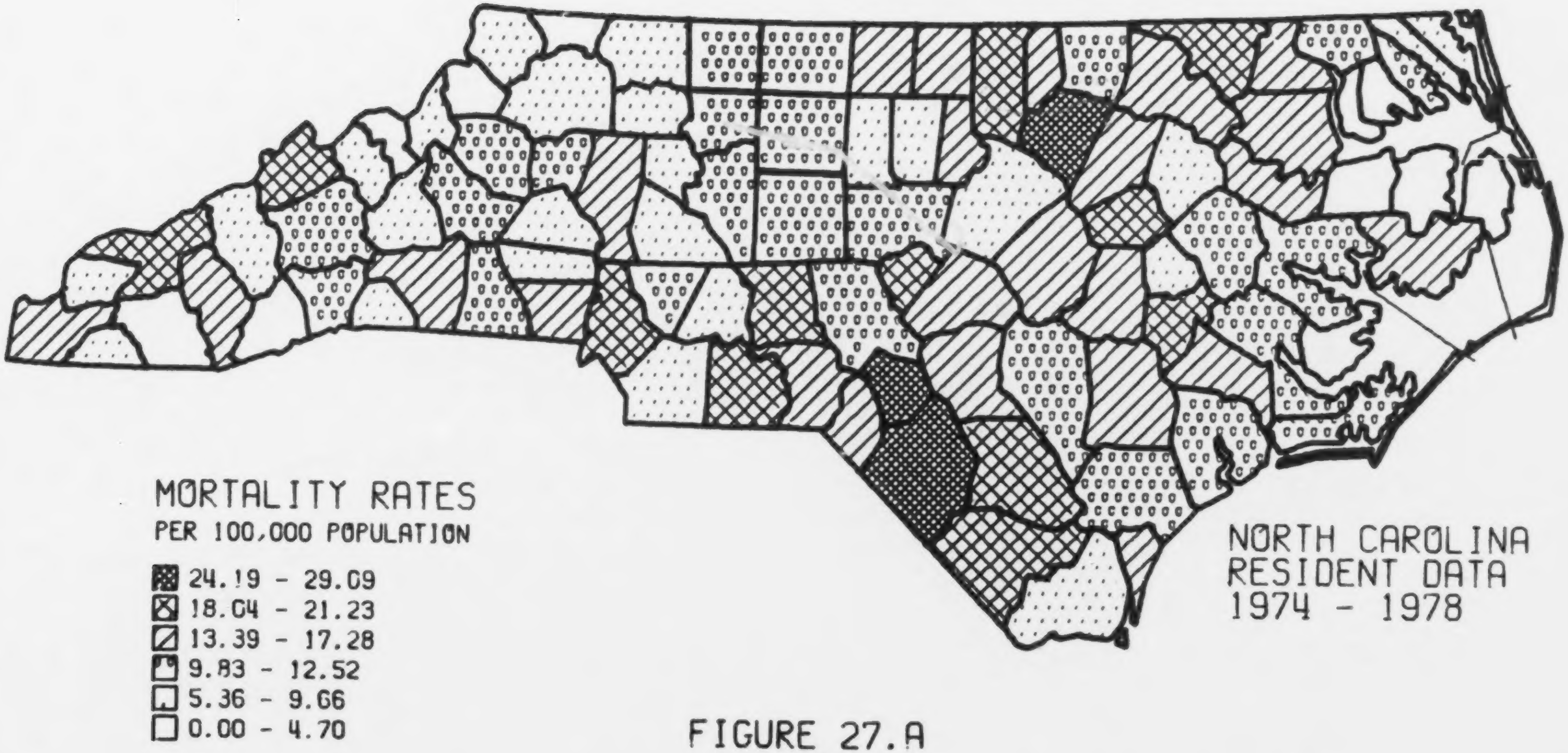

MORTALITY RATES
PER 100,000 POPULATION
▩ 24.19 - 29.09
☒ 18.04 - 21.23
▨ 13.39 - 17.28
▦ 9.83 - 12.52
▤ 5.36 - 9.66
☐ 0.00 - 4.70
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 27.A

HOMICIDE

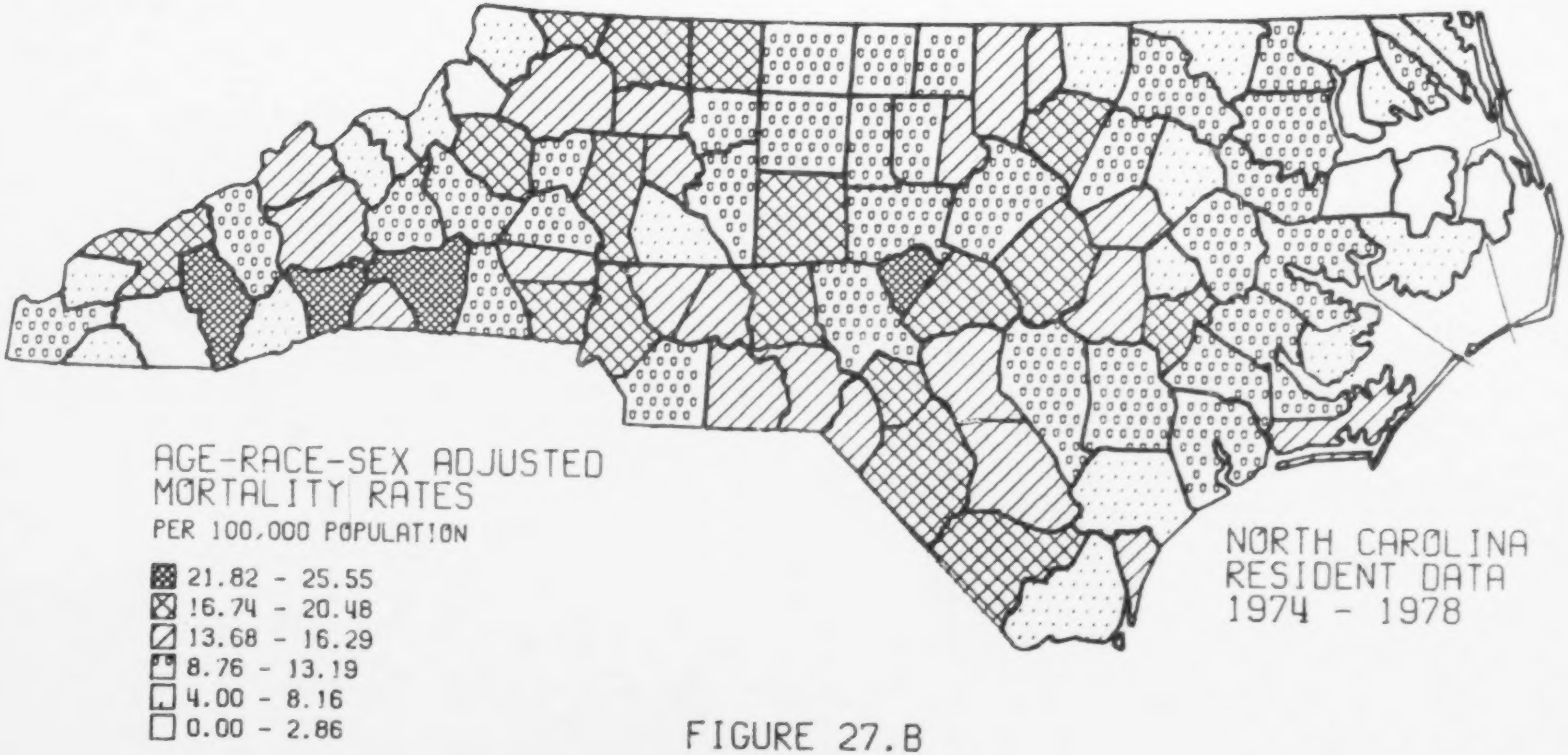

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 21.82 - 25.55
☒ 16.74 - 20.48
▨ 13.68 - 16.29
⁘ 8.76 - 13.19
⸱ 4.00 - 8.16
☐ 0.00 - 2.86
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 27.B

TABLE 28

MORTALITY STATISTICS FOR 1978 AND 1974-1978

NORTH CAROLINA RESIDENTS

INFANT MORTALITY (PER 1000 LIVE BIRTHS)

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
NORTH CAROLINA	1367	16.58	7270	17,61	0.00
REGIONS					
DHR I WESTERN	415	15.98	2213	17,02	0.00
DHR II N. CENTRAL	253	16.13	1325	16,77	0.00
DHR III S. CENTRAL	339	16.59	1757	17,13	0.00
DHR IV EASTERN	360	17.70	1975	19,52	0.00
HSA I WESTERN	189	14.65	1103	17,07	0.00
HSA II PIEDMONT	217	15.80	1142	16,49	0.00
HSA III S. PIEDMONT	226	17.29	1110	16,97	0.00
HSA IV CAPITAL	163	15.44	833	16,15	0.00
HSA V CARDINAL	255	17.23	1388	18,25	0.00
HSA VI EASTERN	317	18.24	1694	19,73	0.00
COUNTIES					
1 ALAMANCE	17	15.07	85	14,69	0.00
2 ALEXANDER	7	22.22	21	12,78	0.00
3 ALLEGHANY	1	8.13	12	19,83	0.00
4 ANSON	12	29.26	44	22,39	0.00
5 ASHE	3	10.52	18	13,10	0.00
6 AVERY	3	14.08	19	19,11	0.00
7 BEAUFORT	12	18.92	69	20,81	0.00
8 BERTIE	7	21.73	42	24,97	0.00
9 BLADEN	10	23.80	47	21,28	0.00
10 BRUNSWICK	4	7.98	54	20,02	0.00
11 BUNCOMBE	26	13.43	172	18,11	0.00
12 BURKE	10	11.40	68	15,11	0.00
13 CABARRUS	13	12.63	58	11,36	0.00
14 CALDWELL	11	11.75	81	17,40	0.00
15 CAMDEN	4	48.19	5	13,73	0.00
16 CARTERET	9	14.72	67	22,21	0.00
17 CASWELL	6	26.54	28	21,77	0.00
18 CATAWBA	18	12.50	119	16,42	0.00
19 CHATHAM	9	21.02	27	13,15	0.00
20 CHEROKEE	2	8.43	15	11,58	0.00
21 CHOWAN	2	10,20	16	17,25	0.00
22 CLAY	0	0.00	2	5,46	0.00
23 CLEVELAND	23	20.60	144	23,91	0.00
24 COLUMBUS	11	13.39	84	20,02	0.00
25 CRAVEN	18	12.42	134	18,13	0.00
26 CUMBERLAND	81	16.58	434	17,21	0.00
27 CURRITUCK	3	17.75	15	22,28	0.00
28 DARE	3	20.27	12	18,43	0.00
29 DAVIDSON	23	16,20	99	14,32	0.00
30 DAVIE	2	7,09	15	10,02	0.00
31 DUPLIN	13	21.55	47	15,32	0.00
32 DURHAM	22	10.62	151	15,17	0.00
33 EDGECOMBE	13	13.99	83	18,15	0.00
34 FORSYTH	50	16.60	246	16,53	0.00
35 FRANKLIN	4	11.14	36	20,36	0.00
36 GASTON	40	18.52	208	18.26	0.00
37 GATES	0	0.00	6	11,38	0.00
38 GRAHAM	3	28.03	4	7.75	0.00
39 GRANVILLE	3	7.53	41	19,58	0.00
40 GREENE	5	23,25	24	22,26	0.00
41 GUILFORD	60	14.58	346	17,15	0.00

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1978 AND 1974-1978, NORTH CAROLINA RESIDENTS
INFANT MORTALITY (PER 1000 LIVE BIRTHS) CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1978	DEATH RATE* 1978	NUMBER OF DEATHS 1974-78	DEATH RATE* 1974-78	ADJUSTED DEATH RATE+ 1974-78
42 HALIFAX	32	35.55	115	25.57	0.00
43 HARNETT	19	20.23	71	15.05	0.00
44 HAYWOOD	6	11.36	37	13.83	0.00
45 HENDERSON	10	14.97	50	15.54	0.00
46 HERTFORD	7	18.51	42	23.30	0.00
47 HOKE	10	28.90	39	21.05	0.00
48 HYDE	3	36.58	9	22.00	0.00
49 IREDELL	25	24.20	113	21.70	0.00
50 JACKSON	5	16.94	32	22.06	0.00
51 JOHNSTON	12	12.28	81	16.55	0.00
52 JONES	2	14.81	12	16.71	0.00
53 LEE	12	20.00	50	17.88	0.00
54 LENOIR	14	15.83	80	17.81	0.00
55 LINCOLN	8	13.55	56	19.94	0.00
56 MCDOWELL	12	24.53	46	18.46	0.00
57 MACON	2	8.81	16	15.98	0.00
58 MADISON	4	18.86	16	16.34	0.00
59 MARTIN	6	15.03	40	20.49	0.00
60 MECKLENBURG	108	19.90	479	17.63	0.00
61 MITCHELL	3	17.75	8	9.46	0.00
62 MONTGOMERY	8	25.55	28	17.84	0.00
63 MOORE	10	16.10	63	19.33	0.00
64 NASH	19	19.42	88	17.60	0.00
65 NEW HANOVER	15	11.33	109	15.78	0.00
66 NORTHAMPTON	11	32.73	52	29.74	0.00
67 ONSLOW	40	14.00	244	17.64	0.00
68 ORANGE	9	10.93	56	14.05	0.00
69 PAMLICO	1	7.51	7	10.68	0.00
70 PASQUOTANK	7	16.16	45	22.00	0.00
71 PENDER	13	41.40	34	22.14	0.00
72 PERQUIMANS	1	6.94	6	9.80	0.00
73 PERSON	7	17.85	31	15.80	0.00
74 PITT	19	14.11	140	21.98	0.00
75 POLK	2	16.66	13	19.60	0.00
76 RANDOLPH	14	12.66	75	13.50	0.00
77 RICHMOND	7	10.15	69	20.08	0.00
78 ROBESON	31	15.97	192	19.45	0.00
79 ROCKINGHAM	19	18.16	129	23.10	0.00
80 ROWAN	10	8.03	70	11.95	0.00
81 RUTHERFORD	13	17.49	78	20.75	0.00
82 SAMPSON	14	19.58	70	18.72	0.00
83 SCOTLAND	10	18.01	50	17.39	0.00
84 STANLY	6	10.01	47	15.98	0.00
85 STOKES	6	15.54	33	16.24	0.00
86 SURRY	17	23.64	62	15.62	0.00
87 SWAIN	5	26.45	22	26.19	0.00
88 TRANSYLVANIA	3	10.10	22	14.71	0.00
89 TYRRELL	0	0.00	4	13.33	0.00
90 UNION	16	16.22	79	16.06	0.00
91 VANCE	13	23.67	50	18.30	0.00
92 WAKE	63	17.02	285	15.70	0.00
93 WARREN	9	34.74	25	21.13	0.00
94 WASHINGTON	4	16.32	27	21.91	0.00
95 WATAUGA	5	15.33	18	10.86	0.00
96 WAYNE	37	22.61	159	19.22	0.00
97 WILKES	10	12.75	54	13.82	0.00
98 WILSON	25	26.45	104	22.33	0.00
99 YADKIN	3	10.23	24	15.12	0.00
100 YANCEY	2	10.75	16	17.09	0.00

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

INFANT MORTALITY

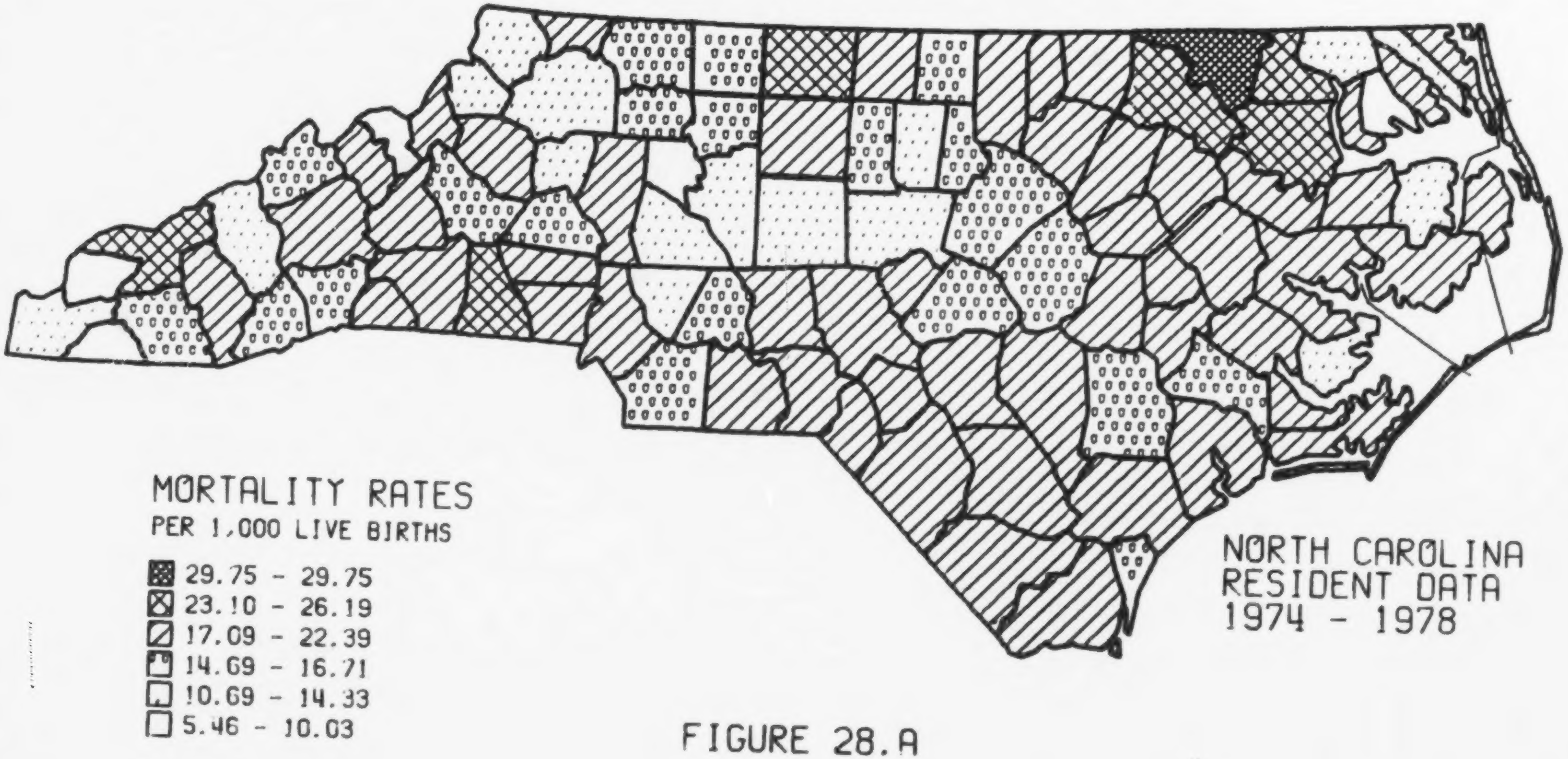

MORTALITY RATES
PER 1,000 LIVE BIRTHS
▦ 29.75 - 29.75
☒ 23.10 - 26.19
▨ 17.09 - 22.39
☐ 14.69 - 16.71
☐ 10.69 - 14.33
☐ 5.46 - 10.03
NORTH CAROLINA
RESIDENT DATA
1974 - 1978

FIGURE 28.A

V. TABLES AND FIGURES:
MULTIPLE CONDITIONS PRESENT AT DEATH
1975-1978

TABLE 29
DEATHS BY SELECTED UNDERLYING CAUSE AND MENTIONED CONDITIONS
NORTH CAROLINA RESIDENTS, 1978

	Underlying Cause of Death	Total Under-lying*	CONDITIONS MENTIONED ON DEATH CERTIFICATE																										
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
1	Heart Disease	17,445	17,441	8,341	11,743	2,573	1,977	4,613	615	11	84	6	95	57	7	5	132	41	1,482	766	443	601	126	160	12	201	1	2	1
2	Acute Myocardial Infarction	8,323	8,323	8,323	4,648	1,006	454	1,869	223	4	30	1	40	16	2	0	50	16	748	158	183	222	36	40	5	56	0	0	2
3	Other Ischemic Heart Disease	7,063	7,063	0	7,045	1,306	1,363	2,637	307	4	45	5	45	34	2	5	72	18	637	491	212	317	65	87	5	92	0	1	3
4	Hypertension	144	6	0	0	138	22	37	3	0	0	0	0	1	0	0	0	0	13	11	6	2	0	23	0	4	0	0	4
5	Cerebrovascular Diseases	4,693	1,109	53	556	733	4,688	1,404	145	4	20	2	10	15	2	1	38	8	352	515	56	65	16	24	4	86	1	0	5
6	Arteriosclerosis	614	248	0	0	0	0	614	10	0	2	0	0	1	0	0	2	1	32	87	9	10	1	8	0	11	0	0	6
7	Cancer	8,912	1,654	61	568	208	235	286	8,912	299	974	519	2,146	765	151	235	596	358	255	538	111	212	31	38	0	175	1	0	7
8	Stomach	294	43	1	19	5	8	11	294	294	1	1	0	3	0	0	1	0	6	9	4	1	2	0	0	6	0	0	8
9	Colon and Rectum	959	166	10	67	18	19	38	953	0	959	0	5	2	0	1	4	2	34	31	8	10	5	1	0	28	0	0	9
10	Pancreas	515	91	4	37	9	12	19	515	1	0	515	1	0	0	0	5	0	34	10	5	4	1	2	0	4	0	0	10
11	Trachea, Bronchus and Lung	2,127	365	14	145	42	40	71	2,127	0	3	1	2,127	6	1	1	8	7	40	170	53	108	5	1	0	46	0	0	11
12	Female Breast	746	120	0	36	28	19	17	746	0	2	0	3	746	0	0	0	1	17	25	2	3	0	2	0	9	1	0	12
13	Cervix Uteri	149	28	0	1	5	7	2	149	0	0	0	0	1	149	0	0	0	2	5	0	0	0	1	0	2	0	0	13
14	Ovary, Fallopian Tube and Broad Ligament	233	51	2	5	4	3	3	233	0	1	0	0	2	0	233	0	0	8	3	1	0	0	3	0	3	0	0	14
15	Prostate	569	126	8	59	16	24	24	569	2	3	1	1	0	0	0	569	0	18	39	7	17	0	6	0	8	0	0	15
16	Leukemia	331	81	3	23	5	23	5	331	0	1	0	2	1	0	0	0	331	10	46	4	5	4	4	0	3	0	0	16
17	Diabetes Mellitus	796	474	165	305	148	200	237	19	0	6	1	1	3	0	0	1	1	796	54	2	11	8	46	0	23	0	0	17
18	Influenza and Pneumonia	1,428	522	43	240	51	221	201	78	0	7	0	17	2	0	1	16	10	76	1,428	55	48	29	25	0	20	0	0	18
19	Bronchitis, Emphysema and Asthma	463	195	17	67	17	19	24	23	0	3	1	4	0	0	0	4	3	11	67	463	92	3	4	0	15	0	0	19
20	Chronic Obstructive Lung Disease	757	365	21	134	21	33	67	48	1	4	0	13	2	1	0	11	6	20	155	1	757	10	7	0	14	0	0	20
21	Cirrhosis of the Liver	650	105	4	22	12	6	15	18	0	0	1	1	1	4	0	2	2	20	51	11	14	636	7	0	15	0	0	21
22	Nephritis and Nephrosis	284	130	11	28	43	14	10	11	0	3	0	0	0	0	0	4	1	16	22	5	2	1	284	0	12	0	0	22
23	Motor Vehicle Accidents	1,493	61	3	7	4	10	2	1	0	0	0	1	0	0	0	0	0	3	19	3	1	1	1	1,493	13	0	0	23
24	Accidents Excluding Motor Vehicles	1,648	266	21	86	28	65	41	14	0	1	0	2	0	0	0	3	0	28	124	17	11	23	12	3	1,462	0	0	24
25	Suicide	656	20	0	8	2	3	1	8	0	0	0	5	0	0	0	1	0	4	3	9	3	1	1	0	6	656	0	25
26	Homicide	660	24	0	3	0	4	2	0	0	0	0	0	0	0	0	0	0	0	3	2	0	2	2	0	2	0	660	26
	TOTAL DEATHS**	47,301	24,472	8,938	14,327	4,203	7,891	8,067	10,106	319	1,122	535	2,327	860	171	244	829	443	3,342	4,448	1,284	1,954	960	764	1,522	2,470	661	665	

*Numbers shown here are the final underlying frequencies. They are sometimes larger than numbers shown on the diagonal due to the fact that a sequence of conditions may imply an underlying cause that is not specifically mentioned on the death certificate.

**Differences between these totals and the summation over causes are attributable to causes not given in the table.

NOTE: In this table, a death is counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate.

5 - 163

TABLE 30

DEATHS BY MENTIONED CONDITIONS
NORTH CAROLINA RESIDENTS, 1978

	Condition Mentioned on Death Certificate	CONDITIONS MENTIONED ON DEATH CERTIFICATE																										
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
1	Heart Disease	24,472	8,938	14,327	3,257	3,491	6,120	2,456	57	280	99	484	189	40	57	296	140	2,354	1,878	777	1,215	287	413	75	636	22	26	1
2	Acute Myocardial Infarction	8,938	8,938	4,855	1,079	554	1,993	305	5	45	6	57	18	2	2	60	21	941	232	204	263	45	59	8	91	0	0	2
3	Other Ischemic Heart Disease	14,327	4,855	14,327	2,506	2,452	4,838	1,094	26	145	44	224	83	5	10	188	53	1,646	1,063	483	736	126	178	15	259	8	4	3
4	Hypertension	3,257	1,079	2,506	4,203	1,394	1,091	305	7	31	11	54	39	8	6	34	10	692	252	103	124	46	129	4	68	2	0	4
5	Cerebrovascular Diseases	3,491	554	2,452	1,394	7,891	2,594	467	12	50	15	65	39	11	5	85	37	836	996	113	159	28	83	14	164	5	4	5
6	Arteriosclerosis	6,120	1,993	4,838	1,091	2,594	8,067	543	18	87	22	97	45	4	5	85	17	959	830	207	326	50	102	7	146	1	4	6
7	Cancer	2,456	305	1,094	305	467	543	10,106	319	1,122	535	2,327	860	171	244	829	443	338	701	163	312	55	57	1	210	9	0	7
8	Stomach	57	5	26	7	12	18	319	319	1	2	0	3	0	0	3	0	6	9	5	3	3	1	0	6	0	0	8
9	Colon and Rectum	280	45	145	31	50	87	1,122	1	1,122	0	9	8	0	2	11	3	48	41	14	22	8	5	0	33	1	0	9
10	Pancreas	99	6	44	11	15	22	535	2	0	535	2	0	0	0	6	0	35	11	7	5	2	2	0	5	0	0	10
11	Trachea, Bronchus and Lung	484	57	224	54	65	97	2,327	0	9	2	2,327	9	1	1	12	9	50	204	65	142	6	2	1	54	5	0	11
12	Female Breast	189	18	83	39	39	45	860	3	8	0	9	860	1	2	0	3	32	32	3	7	1	4	0	10	1	0	12
13	Cervix Uteri	40	2	5	8	11	4	171	0	0	0	1	1	171	0	0	0	4	6	0	1	4	1	0	4	0	0	13
14	Ovary, Fallopian Tube and Broad Ligament	57	2	10	6	5	5	244	0	2	0	1	2	0	244	0	0	8	5	1	0	0	3	0	3	0	0	14
15	Prostate	296	60	188	34	85	85	829	3	11	6	12	0	0	0	829	0	34	78	21	37	2	11	0	14	1	0	15
16	Leukemia	140	21	53	10	37	17	443	0	3	0	9	3	0	0	0	443	17	65	8	14	6	6	0	3	0	0	16
17	Diabetes Mellitus	2,354	941	1,646	692	836	959	338	6	48	35	50	32	4	8	34	17	3,342	269	51	75	48	103	3	97	4	0	17
18	Influenza and Pneumonia	1,378	232	1,063	252	996	830	701	9	41	11	204	32	6	5	78	65	269	4,448	182	308	105	87	22	168	4	3	18
19	Bronchitis, Emphysema and Asthma	777	204	483	103	113	207	163	5	14	7	65	3	0	1	21	8	51	182	1,284	164	31	14	4	48	9	2	19
20	Chronic Obstructive Lung Disease	1,215	263	736	124	159	326	312	3	22	5	142	7	1	0	37	14	75	308	164	1,954	31	25	1	47	3	0	20
21	Cirrhosis of the Liver	287	45	126	46	28	50	55	3	8	2	6	1	4	0	2	6	48	105	31	31	960	11	1	48	1	2	21
22	Nephritis and Nephrosis	413	59	178	129	83	102	57	1	5	2	2	4	1	3	11	6	103	87	14	25	11	764	1	35	1	2	22
23	Motor Vehicle Accidents	75	8	15	4	14	7	1	0	0	0	1	0	0	0	0	0	3	22	4	1	1	1	1,522	18	0	0	23
24	Accidents Excluding Motor Vehicles	636	91	259	68	164	146	210	6	33	5	54	10	4	3	14	3	97	168	48	47	48	35	18	2,470	6	2	24
25	Suicide	22	0	8	2	5	1	9	0	1	0	5	1	0	0	1	0	4	4	9	3	1	1	0	6	661	0	25
26	Homicide	26	0	4	0	4	4	0	0	0	0	0	0	0	0	0	0	0	3	2	0	2	2	0	2	0	665	26
	TOTAL DEATHS*	24,472	8,938	14,327	4,203	7,891	8,067	10,106	319	1,122	535	2,327	860	171	244	829	443	3,342	4,448	1,284	1,954	960	764	1,522	2,470	661	665	

*Differences between these totals and the summation over causes are attributable to causes not given in the table.

NOTE: In this table, frequencies do not include implied conditions as do the underlying frequencies of Table 29.

MULTIPLE CONDITIONS: HYPERTENSION

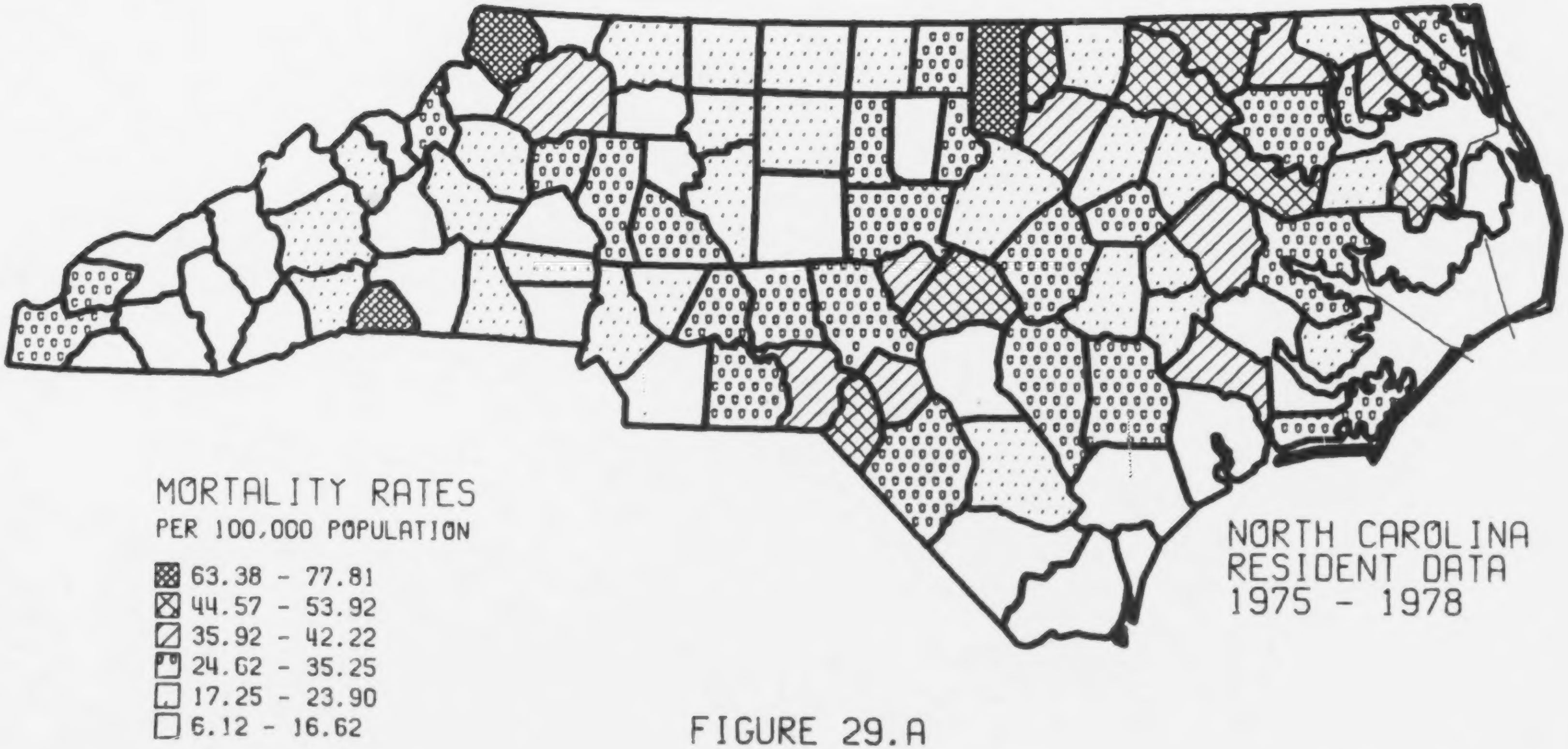

MORTALITY RATES
PER 100,000 POPULATION
▩ 63.38 - 77.81
☒ 44.57 - 53.92
▨ 35.92 - 42.22
▦ 24.62 - 35.25
☐ 17.25 - 23.90
☐ 6.12 - 16.62
NORTH CAROLINA
RESIDENT DATA
1975 - 1978

FIGURE 29.A

MULTIPLE CONDITIONS: HYPERTENSION

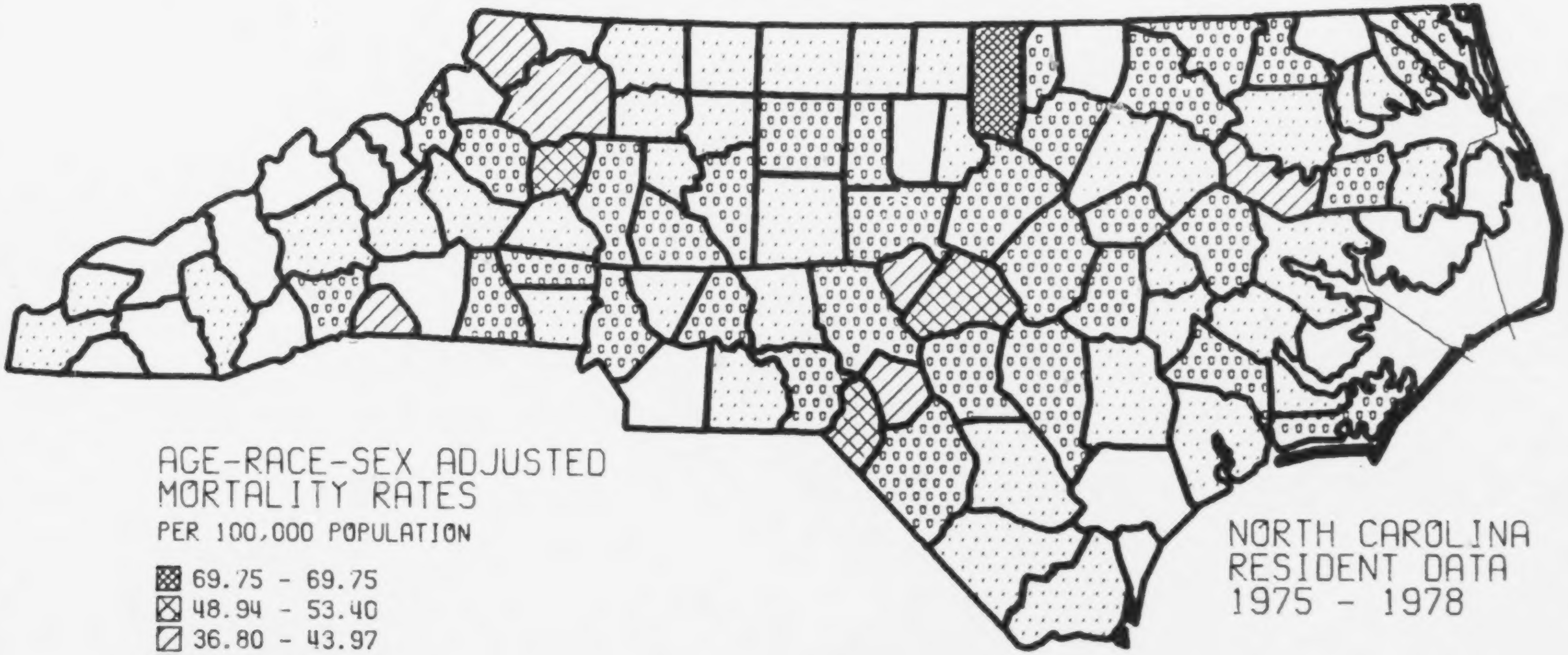

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 69.75 - 69.75
☒ 48.94 - 53.40
▨ 36.80 - 43.97
⁘ 23.65 - 34.65
⁚ 13.60 - 22.87
☐ 2.98 - 12.55
NORTH CAROLINA
RESIDENT DATA
1975 - 1978

FIGURE 29.B

MULTIPLE CONDITIONS: ARTERIOSCLEROSIS

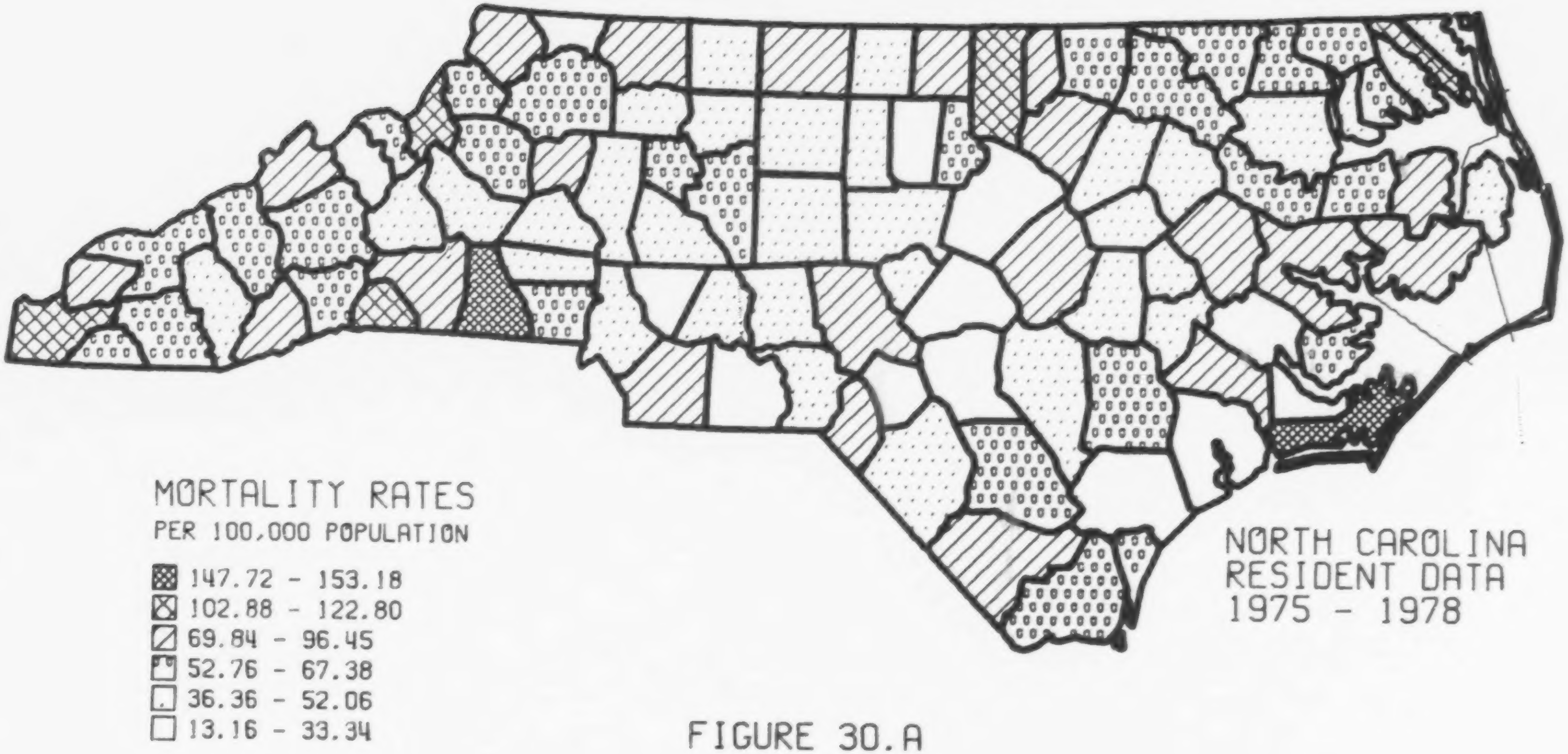

MORTALITY RATES
PER 100,000 POPULATION
▩ 147.72 - 153.18
☒ 102.88 - 122.80
▨ 69.84 - 96.45
▦ 52.76 - 67.38
▫ 36.36 - 52.06
☐ 13.16 - 33.34
NORTH CAROLINA
RESIDENT DATA
1975 - 1978

FIGURE 30.A

MULTIPLE CONDITIONS: ARTERIOSCLEROSIS

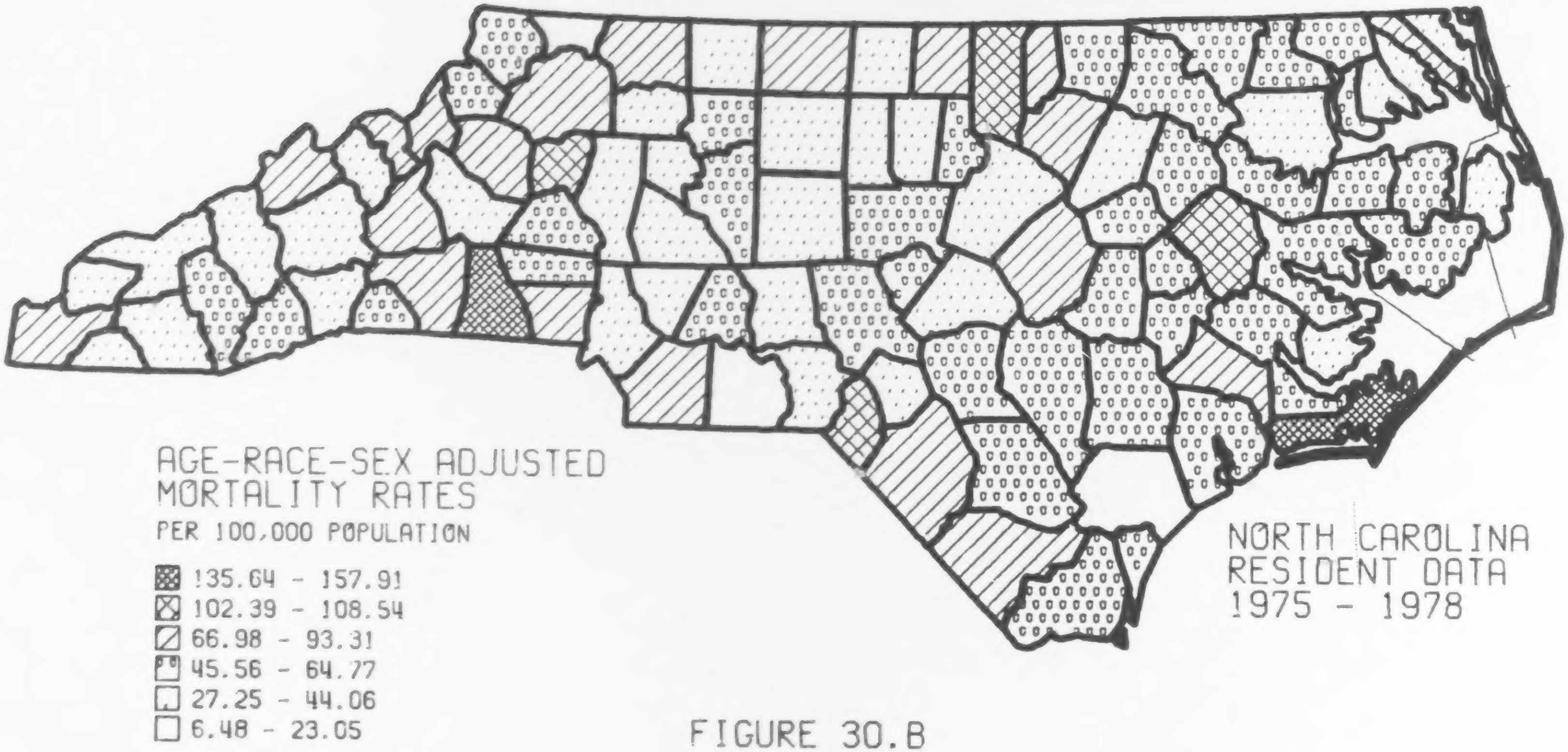

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 135.64 - 157.91
☒ 102.39 - 108.54
▨ 66.98 - 93.31
▦ 45.56 - 64.77
☐ 27.25 - 44.06
☐ 6.48 - 23.05
NORTH CAROLINA
RESIDENT DATA
1975 - 1978

FIGURE 30.B

MULTIPLE CONDITIONS: DIABETES MELLITUS

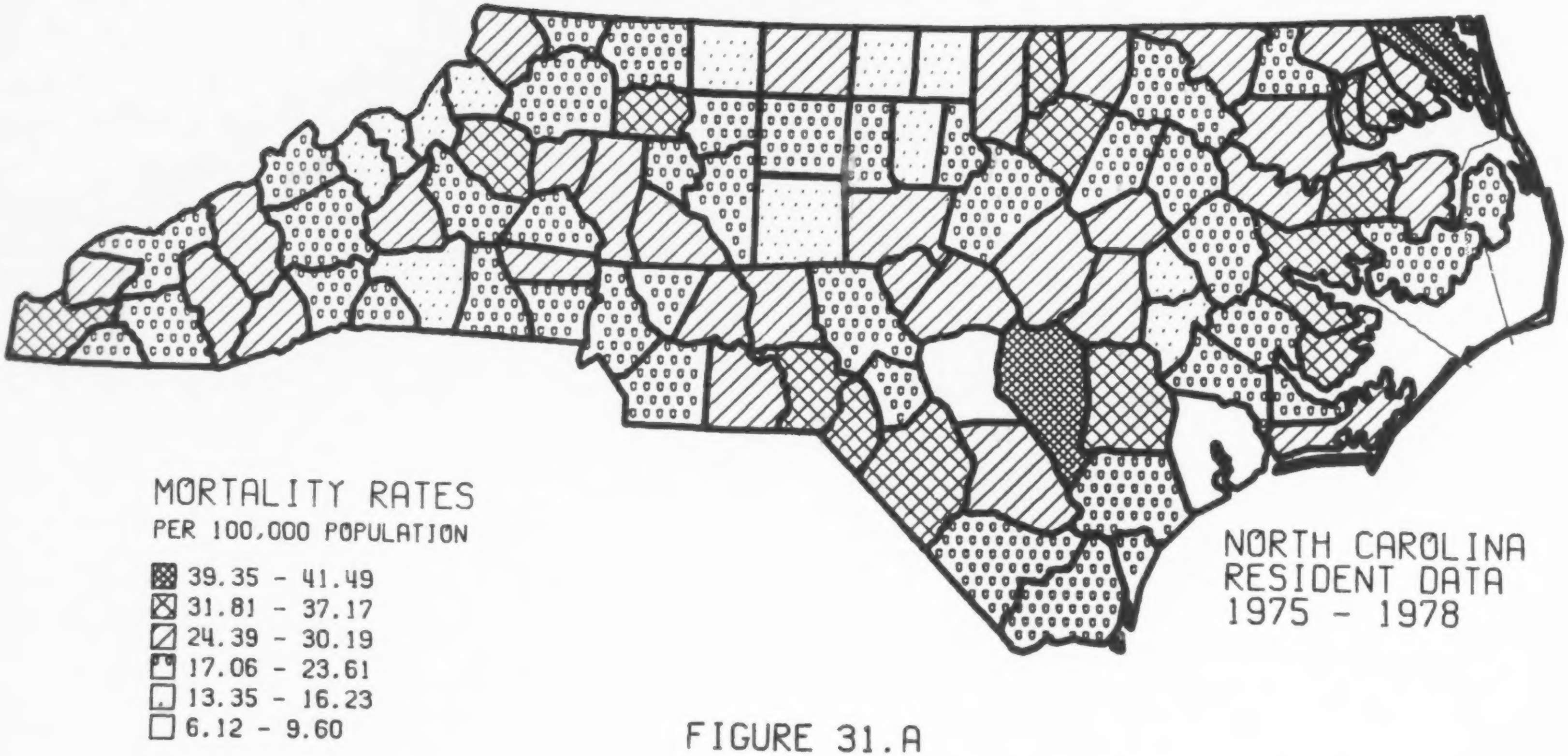
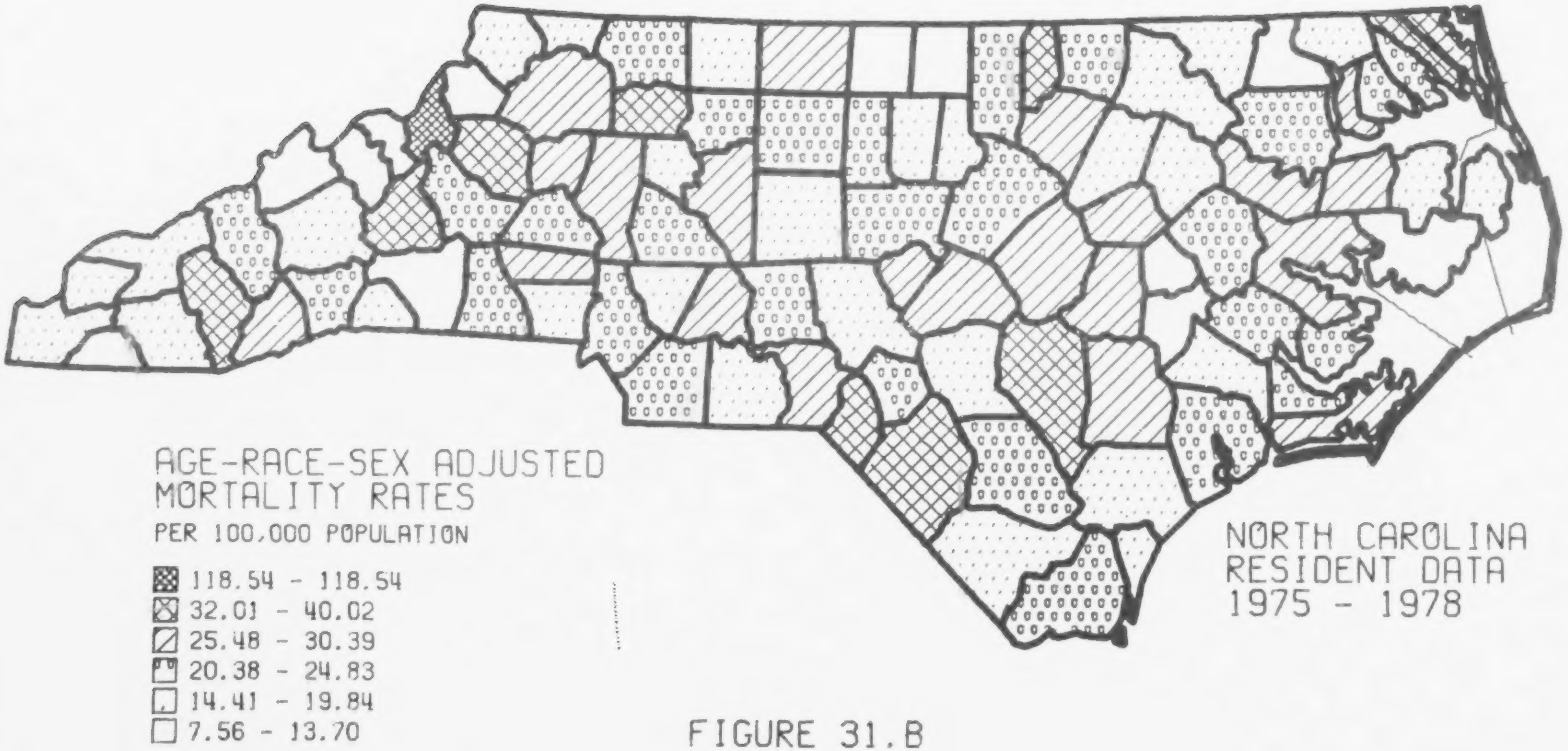

MORTALITY RATES
PER 100,000 POPULATION
▩ 39.35 - 41.49
☒ 31.81 - 37.17
▨ 24.39 - 30.19
▦ 17.06 - 23.61
☐ 13.35 - 16.23
☐ 6.12 - 9.60
NORTH CAROLINA
RESIDENT DATA
1975 - 1978

FIGURE 31.A

MULTIPLE CONDITIONS: DIABETES MELLITUS



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

▩ 118.54 - 118.54
⊠ 32.01 - 40.02
▨ 25.48 - 30.39
⊡ 20.38 - 24.83
⊡ 14.41 - 19.84
□ 7.56 - 13.70

NORTH CAROLINA
RESIDENT DATA
1975 - 1978

FIGURE 31.B